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Troat (i) Monthly Progress Report as of 28 February 1966 (3 copies)

1. The progress report for National Aeronautics and Space Administration programs order W11,252B on the space cell test program is submitted as explanate (1).

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AS MUCH INFORMATION AS POSSIBLE.

MONTHLY PROGRESS REPORT THROUGH 28 February 1966

LIFE CYCLE TESTS

1. Status of Cycling Program: The cycling program has included cells from the following manufacturers: General Electric Company (G.E.), Gould-National Batteries, Inc. (Gould), Sonotone Corporation (Sonotone), Yardney Electric Corporation (Yardney), Gulton Industries, Inc. (Gulton) and Delco-Remy (Delco).

TOTAL NUMBER OF PACKS IN PROGRAM: 163

	Cycled	Tumber of Cycling		. Cells Fa Since Last Report	iled* Total To Date
NICKEL CADMIUM (10-cell pac G.E. 3.0 a.h. Gould 3.5 a.h. Sonotone 5.0 a.h. Gulton 6.0 a.h.	ks) 12 12 12 12 48	5 4 6 2 1 7	7 8 6 10	0 4 0 4	50 60 46 66
NICKEL CADMIUM (5-cell pack Sonotone 3.0 a.h. Sonotone 5.0 a.h. STABIST G.E. 5:0 a.h. NIMBUS G.E. 12 a.h. G.E. 12 a.h. Gulton 3.6 a.h. COULOMETE Gulton 4.0 a.h. Gulton 5.0 a.h. NIMBUS Gulton 5.6 a.h. Gulton 6.0 a.h. Gulton 6.0 a.h. Gulton 6.0 a.h. Gulton 6.0 a.h. Gulton 12 a.h. Gulton 20 a.h. Gulton 50 a.h. Gulton 50 a.h. Gulton 50 a.h. Gould 20 a.h.	s) 6 0R 8 6 13 4 R 1 6 6 1 3	666621666036430	31 020720001002928	0 4 0 1 0 0 1 1 0 0 0 0 0	12 0 32 0 3 3 3 9 3 6 6
TOTAL	98	4 65 -	33	0 7	26 125
SILVER CADMIUM (10-cell pact Yardney 12 a.h. TOTAL	ks) 5 5	3 3	2 2	0 0	16 16
SILVER CADMIUM (5-cell pack Yardney 5.0 a.h. TOTAL	s) 6 6	3 3	3 3	1. 1.	6

* All failure analysis results are cumulative. Total pack failures are shown on pages 8 through 39; partial pack failures on pages 40 through 53.

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(CODE)
(CATEGORY)

Enclosure (1)

	Total N Cycled	umber of	Cells Fa Since Last		
	•	Cycling	Failed	Report	Date
SILVER ZINC (10-cell packs) Yardney 12 a.h. Delco 25 a.h. TOTAL	1	0	1	0	6
	1	' 1	0	0	0
	2	1	1	0	6
SILVER ZINC (5-cell packs) Delco 25 a.h. Delco 40 a.h. TOTAL	3	0	3	0	10
	1	0	1	0	2
	4	0	4	0	12

^{*} All failure analysis results are cumulative. Total pack failures are shown on pages 8 through 39; partial pack failures on pages 40 through 53.

2. Test Parameters:

- a. General Cycling Program:
 - (1) Ambient Temperature:
 - (a) 0° C.
 - (b) 25° C.
 - (c) 40° C.
 - (2) Voltage limits per pack on charge:
 - (a) 1.55 ± 0.03 volts per cell at 0° C.
 - (b) 1.49 \pm 0.03 volts per cell at 25° C.
 - (c) 1.45 ± 0.03 volts per cell at 40° C.
 - (3) Depth of Discharge:
 - (a) 90-minute and 3-hour orbits:
 - 1. 15 percent and 25 percent at 0° C.
 - 2. 25 percent and 40 percent at 25° C.
 - 3. 15 percent and 25 percent at 40° C.
 - (b) 24-hour orbits:
 - 1. 50 percent at 25° C and 40° C.

	(4) Orbit Times:
	(a) 90 minutes 30-minute discharge and 60-minute charge.
	(b) 3 hours30-minute discharge and 150-minute charge.
	(c) 24 hours1-hour discharge and 23-hour charge
ъ.	Nimbus Packs:
	(1) Ambient Temperature:
	(a) 0° C.
	(b) 25° C.
	(c) 40° C.
at each	(2) Voltage limit per pack on charge: 1.49 ± 0.03 volts per cell temperature.
	(3) Depth of Discharge:
	(a) 15 percent and 25 percent at 0° C.
	(b) 25 percent and 40 percent at 25° C.
	(c) 15 percent and 25 percent at 40° C.
	(4) Orbit Time: 90-minutes30-minute discharge and 60-minute charge.
c.	Silver-Cadmium Packs:
	(1) Ambient Temperatures:
	(a) 90-minute orbit:
	(1) -20° C.
	(2) 0° C.
	(3) 25° C.
	(b) 24-hour orbit:
	(1) 0° C.

(2) 25° C.

(3) 40° C.

- (2) Voltage limits per pack on charge:
 - (a) 90-minute orbit:
 - (1) 1.60 \pm 0.03 volts per cell at -20° C.
 - (2) 1.58 \pm 0.03 volts per cell at 0° C.
 - (3) 1.55 ± 0.03 volts per cell at 25° C.
- (b) 24-hour orbits: 1.50 \pm 0.03 volts per cell at 0° C., 25° C., and 40° C.
 - (3) Depth of Discharge:
 - (a) 90-minute orbit: 25 percent at all temperatures.
 - (b) 24-hour orbit:
 - (1) 20 percent and 50 percent at 0° C.
 - (2) 20 percent at 25° C.
 - (3) 20 percent and 50 percent at 40° C.
 - (4) Orbit Time:
 - (a) 90-minute--30-minute discharge and 60-minute charge.
 - (b) 24-hours--1-hour discharge and 23-hour charge.
 - d. Silver-Zinc Packs:
 - (1) Ambient Temperature: 25° C.
- (2) Voltage limit per pack on charge: 1.97 ± 0.03 volts per cell at 25° C.
 - (3) Depth of Discharge:
 - (a) 3-hour orbit: 40 percent at 25° C.
 - (b) 24-hour orbit: 25 percent and 40 percent at 25° C.
 - (4) Orbit Times:
 - (a) 3 hours -- 30-minute discharge and 150-minute charge.
 - (b) 24 hours--1-hour discharge and 23-hour charge.

- e. Third Electrode Packs (Gulton): (1) Ambient Temperatures: (a) 0° C. (b) 25° C. (c) 40° C. (2) Voltage limits per pack on charge: None. Limit is controlled by the third electrode voltage: (a) 150 millivolts at 0° C. (b) 300 millivolts at 25° C. (c) 300 millivolts at 40° C. (3) Depth of Discharge: (a) 25 percent and 40 percent at 0° C. (b) 25 percent and 40 percent at 25° C. (c) 15 percent and 25 percent at 40° C. (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge. f. Third Electrode Packs (General Electric): (1) Ambient Temperatures: (a) 0° C. (b) 25° C. (c) 40° C. (2) Voltage limit per pack on charge: None. Limit is controlled by the third electrode voltage; 400 millivolts at all temperatures. (3) Depth of Discharge: (a) 25 percent and 40 percent at 0° C.
 - (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.

(b) 25 percent and 40 percent at 25° C.

(c) 15 percent and 25 percent at 40° C.

g. Stabistor Packs:

- (1) Ambient Temperatures:
 - (a) -20° C.
 - (b) 0° C.
 - (c) 25° C.
 - (d) 40° C. ·
- (2) Voltage limits per pack on charge: None. Stabistor controls cell voltage.
 - (3) Depth of discharge:
 - (a) 25 percent and 40 percent at -20° C.
 - (b) 25 percent and 40 percent at 0° C.
 - (c) 25 percent and 40 percent at 25° C.
 - (d) 15 percent and 25 percent at 40° C.
 - (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.

h. Coulometer Packs:

- (1) Ambient Temperature: 25° C.
- (2) Voltage limit per pack on charge: None. Coulometer controls cell voltage.
 - (3) Depth of Discharge:
- (a) 30 percent for 5 cells (Sonotone 5 a.h.)--coulometer built by Goddard Space Flight Center.
- (b) 40 percent for 10 cells (Gulton 5.6 a.h.)--coulometer built by General Electric.
 - (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.
 - i. Sherfey Cycling Packs:*
 - (1) Ambient Temperature: 25° C.
- (2) Voltage limit per pack on charge: None. Pack cycled in the partially discharged state.

- (3) Depth of Discharge: 40 percent at 25° C.
- (4) Orbit Time: 90 minutes -- 30-minute discharge and 60-minute charge.
- * This type of cycling starts with the cells in a completely discharged condition. Each cycle consists of a charge of 60 percent of the cell's rated capacity followed by a discharge of 40 percent of the cell's rated capacity. Upon completion of each fifth cycle, the cells are discharged through a resistor for 90 minutes to return the cells to the completely discharged condition for the start of the next sequence of five cycles. In this manner, the cells operate below the 100 percent charged state much of the time thereby preventing overcharging and buildup of excessive gas pressure.

3. Data:

- a. Under normal operation, complete data is scheduled to be recorded every 32 cycles on the 90-minute and 3-hour packs. On the 24-hour packs, complete data is taken every eight cycles.
- b. The attached data sheets give end of discharge and end of charge voltage readings for each cell on each cycle recorded.

4. Capacity Tests:

a. Before cycling, each pack was given a capacity test at its respective cycling temperature. This check consisted of a c/10 charge for 16 hours followed by a c/2 discharge to 1.0 volt per cell average. After each 88 days of cycling, each pack was discharged immediately after the end of the regular cycle charge period, at the c/2 rate to 1.0 volt per cell average. The pack was then recharged at the c/10 rate for 16 hours and discharged at the c/2 rate to 1.0 volt per cell average. The pack was then recharged at the c/10 rate for 48 hours, voltage limited to the cycle limits. Data of capacity tests is tabulated on pages 53 through 61.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: General Electric 3.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
15	25%	1.5	25°	432	7	8065	Low Volt Disch, Low Volt Chg, Blistering on Bottom Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.
			25°	414	8	8254	Low Volt Disch, Low Volt Chg, Blistering on Bottom Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.
			25°	479	5	8714	Low Volt Disch, Normal Volt Chg, Deposit on Terminal, Migration of Active Material, Blistering on Edge of Pos' Plate, Separator Deteriorated.
			25°	267	10	10123	Low Volt Disch, Normal Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.
			25°	485	4	10382	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates; Separator Deteriorated.
			25°	447	9	10382	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.
16	40%	1.5	25°	427	7	3985	Low Volt Disch, Normal Volt Chg, Pos Tab Broken and Touching Case, Burned Tape on Tab Caused by Overheating From Poor Tab Weld.
			25°	58	6	4473	Low Volt Disch, Normal Volt Chg, Short on One Edge of Plates, Neg Plate Material Penetrated Separator.
			25°	39j	. 1	4741	Low Volt Disch, Normal Volt Chg, Shorted, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	522	5	4917	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated.

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בי אינה.	NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: General Electric 3.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
	16	40%	1.5	25°	456	10	4917	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated.
				25 °	719	4	5013	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated, Several Small Burned Areas on Separator.
	39	15%	1.5	50°	541	2	779	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
				40°	540	6	2083	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
				40°	549	7	2523	Low Volt Disch, High Volt Chg, Pos Tab Burned.
>				40°	527	1	7213	Low Volt Disch, Normal Volt Chg, Deposit Around Pos Terminal, Pos Tab Burned, Migration of Neg Plate Material, Separator Deteriorated.
				40°	53 ¹ 4	5	8109	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.5 gm, Pos Tab Burned, Migration of Active Material, Separator Deteriorated.
				40°	550	8	8109	Low Volt Disch, Normal Volt Chg, Pinpoint Penetration, Separator Deteriorated.
	40	25%	1.5	40°	464	3	20 7 3	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
				40°	3131	8	2182	Low Volt Disch, Normal Volt Chg, Leaked, Loose Plate Material on Separator.
			40°	47	7	2182	Low Volt Disch, Normal Volt Chg, Leaked, Loose Plate Material on Separator. Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned and Broken.	

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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES	CELL TYPE: General Electric 3.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
40	25%	1.5	40°	49	5	2446	Low Volt Disch, High Volt Chg, Pos Weld to Terminal Stud Burned, Poor Weld.
			40°	45	<u>.</u> 10	2461	Low Volt Disch, High Volt Chg, Loose Plate Material on Separator, Short at Outside End of Pos Plate.
			40°	466	2	2509	Low Volt Disch, High Volt Chg, Leaked, Pos Tab Burned and Shorted to Neg Tab.
			40°	441	· 6	2509	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
43	15%	3.0	40°	416	4	1182	Low Volt Disch, Low Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
			40°	499	3	1515	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned and Broken.
			40°	412	6	1911	Showed Open Circuit at Start of Cycle, Pos Tab Broken, Burned Tape on Tab Caused by Overheating From Poor Tab Weld.
			40°	426	9	2298	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Top of Separator Burned, Separator Impregnated with Neg Plate Material, Separator Deteriorated.
			40°	436	7	2515	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Poor Roll, Uneven Wind at End of Roll, Shorts at Top of Roll, Separator Deteriorated.
			40°	435	10	2656	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Separator Impregnated with Neg Plate Material, Separator Deteriorated.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED.	CELL TYPE: General Electric 3.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
	25%	3.0	40°	222		1672	Showed Open Circuit at Start of Cycle, Pos Tab Broken, Burned Tape on Tab Caused By Overheating From Poor Tab Weld.
			40°	366	8	3848	Low Volt Disch, High Volt Chg, Pinpoint Penetration, Separator Deteriorated, Blistering on Bottom Edge of Pos Plate.
			40°	459	1	3854	Shorted on Cycling, Deposit on Pos Terminal, Pinpoint Penetration, Separator Deteriorated.
			40°	77	3	385 ¹ 4	Low Volt Disch, Normal Volt Chg, Migration of Active Material, Separator Deteriorated.
			40°	3120	2	4487	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Loose Active Pos Plate Material, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deteriorated.
			40°	296	10	ነ ሳ87	Low Volt Disch, Low Volt Chg, Deposit on Pos Terminal, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deterioration.
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PACK	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: Gould 3.5 Ampere-Hour FATLURE . Nickel-Cadmium
AN E	田田	85	日日	원물	R 用	88	ANALYSIS
3	25%	1.5	25°	73	5	2785	Low Volt Disch, High Volt Chg, Short Near Center of Core, Piece of Pos Plate Material Between Plates Causing Short Through Separator.
			25°	54	2	3090	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.7 gm, Weak Weld on Neg Tab to Plate.
			25°	165	9	4081	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.7 gm, Deposit on Glass Seal, Short Through Separator, Short at Pos Tab Near Center of Core, Neg Tab Weld to Plate Weak.
			25 °	93	6	4289	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lost 2.6 gm, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	97	7	4401	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lo. 2.5 gm, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	77	ļ	4751	Low Volt Disch, Normal Volt Chg, Separator Deteriorated, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates
			25°	188	10	4751	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.1 gm, Neg Plate Material on Separator.
Ľţ	40%	1.5	25°	81	7	1609	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.2 gm, High Pres Bulge Top.
			25°	90	8		Low Volt Disch, Low Volt Chg, Leaked, Lost 2.7 gm, High Pres Bulge Top.
			25°	2	1.	2110	Low Volt Disch, Low Volt Chg, Separator Deteriorated at Center of Core, Under Pressure When Opened.

ost 1.3 gm, Plate
on Glass Seal,
ost 1.6 gm, Separator n Plates.
Around Glass Seal, Lost ough Separator, Separator Plate.
Lost 1.1 gm, Glass Seal terial Migration, Pinpoint Separator, Separator
ost 2.0 gm, Deposit on coint Penetration, Neg on One Tab to Pos Plate
d, Leaked, Lost 1.1 gm, sterial on Separator, eated.
Around Glass Seal, Loose, Pinpoint
on Glass Seal, Leaked, Plate, Pinpoint
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	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES COMPLETED .	CELL TYPE: Gould 3.5 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
	8	40%	3.0	25°	68	6	1346	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Plate Material on Separator.
				25°	112	8	1704	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.0 gm, Pos Tab Weld to Bottom of Can Weak, Pos Tab Weld to Plate Weak.
				25°	39	1	1985	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Separator Deteriorated, Neg Plate Material on Separator.
				25°	170	10	1985	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.8 gm, Pos and Neg Tab Weld Weak to Plates Near Center of Core, Separator Deteriorated at Center of Core.
•				25°	78	7	2138	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.4 gm, Pos Tab Weld to Case Weak, Separator Deteriorated, Neg Plate Material Penetrated Separator.
				25°	41	2	2494	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.7 gm, Separator Deteriorated, Neg Plate Material Impregnated Separator, One Bad Weld Neg Tab to Plate.
				25°	130	9	2494	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 2.1 gm, Separator Deteriorated, Pos and Neg Plate Material Impregnated Separator.
	27	15%	1.5	40°	13	3	2901	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Separator Deteriorated, Pos Plate Material on Separator.
				40°	195	8	2901.	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.6 gm, Short Through Separator, Separator Burned at Center of Core, Pos Plate Material on Separator. Low Volt Disch, Normal Volt Chg, High Pres, Short Through Separator, Pieces of Pos Plate Material Between Plates.
				ĵ+0 °	103	7	2998	Low Volt Disch, Normal Volt Chg, High Pres, Short Through Separator, Pieces of Pos Plate Material Between Plates.

PACK	NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEIST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gould 3.5 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
-	27	15%	1.5	40°	200	10	3270	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.5 gm, Short Through Separator, Separator Deteriorated at Center of Core, Pos Tab Weld to Case Weak.
		25%	:	40°	197	9	4102	Low Volt Disch, High Volt Chg, Leaked Around Glass Seal, Lost 1.4 gm, Short at Pos Tab, Separator Deteriorated, Neg Plate Material Penetrated Separator.
				40°	11	2	4485	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Separator Deteriorated, Separator Impregnated with Neg Plate Material.
2	28		1.5	50°	122	' 2	408	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.8 gm, Weak Bottom Weld Suspicious Spot but not Definite.
! 				40°	157	7	484	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.0 gm, High Pres Bulge.
				40°	158	8	484	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.9 gm, High Pres Bulge Top.
	:			40°	141	5	860	Low Volt Disch, High Volt Chg, Leaked, Lost 3.5 gm.
				40°	168	10	1293	Low Volt Disch, High Volt Chg, Weak Weld to Bottom of Case.
		à <u>t</u> h		40°	121	1	1811	Low Volt Disch, Low Volt Chg, Short at Outside End of Plates, Grid Wire Penetrated Separator.
				40°	133	3	1811	Low Volt Disch, High Volt Chg, Weak Weld on Pos Tab to Case.
				40°	140) †	1811	Low Volt Disch, Low Volt Chg, Short Around Pos Tab, Blistering on Pos Plate, Active Neg Plate Material on Separator.

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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperatiore	CELL	POSITION IN PACK	CYCLES	CELL TYPE: Gould 3.5 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
28	25%	1.5	ħО.	155	6	1811	Low Volt Disch, Low Volt Chg, Short Through Separator, Weak Weld to Bottom of Case.
			40°	163	9	1811	Low Volt Disch, Low Volt Chg, Short Through Separator, Weak Weld to Bottom of Case, Deposit on Glass Seal.
31	1.5%	3.0	40°	R166	9	1500	Low Volt Disch, Low Volt Chg, Leaked, Lost 7.1 gm, Separator Deteriorated.
			ήО °	R179	10	1500	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Short Through Separator, Separator Deteriorated, One Weak Tab.
			40°	R92	2	1696	Low Volt Disch, High Volt Chg, Pieces of Plate Material Shorted Through Separator, Separator Deteriorated.
			40°	126	3	2411	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 2.1 gm, Short Through Separator by Piece of Pos Plate Material Between Plates, Separator Deteriorated, Neg Plate Material Impregnated Separator, Tab to Plate Weld Poor.
			40°	R162	8	2477	Low Volt Disch, High Volt Chg, Leaked Around Glass Seal, Lost 2.4 gm, Separator Deteriorated, Neg Plate Material Impregnated Separator, Pinpoint Penetration, Poor Weld Pos Tab to Case.
,			40°	72	l	2517	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.8 gm, Short Between Plates, Extra Piece of Pos Plate Between Plates, Separator Deteriorated, Pos Tabs to Plate Weld Both Weak.
	A.		40°	1 .43	6	2517	Low Volt Disch, Low Volt Chg, Short Through Separator at Start of Core, Extra Piece of Pos Plate Material, Separator Impregnated with Neg Plate Material, Separator Deteriorated, Neg Tab Weld to Pigtail Weak, One Tab to Pos Plate Weld Weak, Still Under Pressure When Opened.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL. NUMBER	POSITION IN PACK	CYCLES COMPLETED.	CELL TYPE: Gould 3.5 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
32	25%	3.0	40°	125	6	138	Low Volt Disch, Normal Volt Chg, Bottom Weld Weak, Greenish Corrosion Inside at Neg Lead.
			ζ+O°	65	3	495	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.5 gm, Bad Glass Seal Around Neg Terminal.
			40°	1	1	800	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.2 gm, Shorts Near Center of Core.
			₇ +0°	67	4	875	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.2 gm, Short Around Tabs, Pos Tab Weld Weak to Case.
			40°	132	7	875	Failed During Shut Down to Move to Another Chamber, Leaked, Lost 4.4 gm, High Pres. Neg Tabs Pushed Out of Cell, Short at Center and Outside Edge of Core.
			1 0°	149	9	974	Low Volt Disch, High Volt Chg, Leaked, Lost 1.1 gm, Piece of Pos Plate Material Shorted Through Separator, Weak Welds to Case and Plates.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Sonotone 5.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
2	40%	1.5	25°	811	10	3155	Shorted on Cycling, Leaked Around Seal, High Pressure Bulge on Bottom, Insulators Brittle, Exposed Grid Wires at Center of Core Penetrated Separator Causing Large Burned Area at Short, Pos and Neg Tab Weld Poor.
			25°	3628	5	3992	Low Volt Disch, Normal Volt Chg, Leaked Around Seal, High Pres Bulge on Bottom, Hole in Separator Exposing Pos and Neg Plates, Neg Plate Material Penetrated Separator.
			25°	3613	2	4411	Low Volt Disch, Low Volt Chg, Two Pieces of Neg Plate Material Wore Hole in Separator at Scoring Mark, Burned Through Plates, Neg Tab Welds Poor, Separator Beginning to Deteriorate.
ı			25°	3630	6	5262	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Pos and Neg Plate Material on Separator, Separator Deteriorated, Neg Tab to Plate Welds Weak, Burn Marks on Separator at Tabs, High Pressure Bulge.
•,			25°	3631	7	5262	Low Volt Disch, Low Volt Chg, Uncoined Plate Edges Pierced Separator Causing Partial Shorts, Burn Marks Around Tab Areas, Weak Weld on All Tab to Plate Welds, Deep Pressure Points Caused by Scoring, Separator Torn at Start of Core Exposing Pos and Neg Plate, Separator Deteriorated, Neg Plate Material on Separator.
	Ņ		25°	3611	1.	6671	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, High Pressure Bulge, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL. NUMBER	POSITION IN PACK	CYCLES COMPLETED.	CELL TYPE: Sonotone 5.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
25	15%	1.5	40°	4852	5	6348	Low Volt Disch, High Volt Chg, Separator Deteriorated, Large Burned Area at Center of Core, Pinpoint Penetration, Deep Scoring Caused Hole in Separator, Partial Shorts Around Edge of Plates, Deep Pressure Points Caused by Scoring.
			40° .	4364	4	7052	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, High Pressure Bulge, Short Caused by Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.
			40°	4317	1	7758	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.
		3	40°	4350	3	9070	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Hole in Separator Adjacent to Corner of Outside Neg Plates, Grid Wire Penetrated Separator and Shorted to Pos Plate, Separator Completely Deteriorated.
			40°	6850	6	9220	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Hole Through Separator Near Edge of Plate Causing Short, Small Piece of Neg Plate Material Between Plates and Separator.
	7/4		40°	4347	2	9328	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Neg Plate Material Migrated Through Separator, Separator Deteriorated, Weak Weld Tab to Neg Plate.
26	25%	1.5	40°	4323	_ 1	2487	Grid Wire Penetrated Separator at Tabs.
			40°	6773	9	2902	Shorted on Cycling, Slight Burn Adjacent to Neg Tab, Separator Deteriorated, Neg Plate Material Penetrated Separator, Tab Welds Weak.

	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED .	CELL TYPE: Sonotone 5.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
	26	25%	1.5	4-0°	7224	6	2993	Low Volt Disch, Normal Volt Chg, High Pres Bulge, Deposit Around Seal, Neg Tab Weld Weak, Neg Plate Material Penetrated Separator.
				40°	7232	7	2993	Low Volt Disch, Normal Volt Chg, High Pres Bulge, Deposit Around Seal, Pos Tab Weld Weak, Plate Broken at Pos Tab, Deep Pressure Points From Scoring, Separator Completely Deteriorated.
				<u></u> 40°	4881	3	3344	Shorted on Cycling, Complete Short From Deep Scoring, Plate Shorted Through Outer Wrap.
				40°	4240	ή	3625	low Volt Disch, Low Volt Chg, Separator Deteriorated, Plate Material Penetrated Separator.
ņ	30	25%	3.0	40°	3657	7	855	Hole in Separator Allowing Pos Plate to Hit Case, Separator Damaged at Center of Cell Allowing Pos and Neg Plate to Short Together.
				40°	3643	4	3068	Low Volt Disch, Low Volt Chg, Separator Completely Deteriorated, Neg Tab to Plate Welds Weak, Burn Spots Around Tabs, Deep Scoring Caused Burn Spots on Separator.
				, 1+0°	809	9	3068	Low Volt Disch, Low Volt Chg, Deposit Around Glass Seal, Burn Spots Around Edge of Separator Caused By Uncoined Edge of Plates, Deep Scoring Caused Burn Spots on Separator, Burn Spots Around Tab Areas, Separator Deteriorated.
				40°	3658	8	3684	Lost 1.3 gm, Short Caused by Excess Scoring, Migration of Pos
				40°	3617	ı	4141	Shorted During Cycling, Deposit on Glass Seal, Hole in Separator at Tab Weld Area Caused Short, Separator Completely Deteriorated. Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Migration of Neg Plate Material, Separator Completely Deteriorated.
				40°	7230	10	4141	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Migration of Neg Plate Material, Separator Completely Deteriorated.

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	Z SER	DEFTH OF DISCHARGE	T PERIOD	TEST TEMPERATURE	(ER	POSITION IN PACK	CYCLES	CELL TYPE: Gulton 6.0 Ampere-Hour		
	PACK	DEF	ORBIT P (HOURS)	THEST	CELL NUMBER	POSI IN F	CYCL	FATLURE Nickel-Cadmium ANALYSIS		
	13	25%	1.5	25°	2305	1	308	Low Volt Disch, High Volt Chg, Lost 12 gm, CO3 Top Ceramic, High Pres Bulge.		
				25°	2355	10	502	Low Volt Disch, High Volt Chg, Lost 10 gm, High Pres Bulge.		
				25°	3134	5	2969	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.		
	:			25°	3211	7	3084	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.		
		,		25°	2613	4	3598	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate, Separator Deteriorated.		
)						25°	2324	2	4021	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Deteriorated, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.
	14	40%	1.5	25°	1623	4	262	Low Wolt Disch, High Volt Chg, Lost 12 gm, High Pres Bulge.		
				25°	1635	5	262	Voltage Fell Off During Charge, Went Flat in 3 Min. on Disch, Lost 6 gm, Concave Wall, High Pres Bulge, Ceramic Broken Inside Case, CO3 on Outside of Ceramic, Pos Terminal Loose.		
				25°	2356	1	450	Low Volt Disch, High Volt Chg, Lost 12 gm, High Pres.		
				25°	2387	2	1113	Low Volt Disch, High Volt Chg, Ceramic Short.		
				25°	2391	3	3 1618 Low	Low Volt Disch, Low Volt Chg, Ceramic Short.		
				25°	3208	7	2086	Low Volt Disch, Normal Volt Chg, Ceramic Short.		
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	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 6.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS		
	17	25%	3.0	25°	1862	5	721	Low Volt Disch, High Volt Chg, Ceramic Short.		
		40%		25°	1823	3	721	Low Volt Disch, High Volt Chg, High Pres Bulge, Burnt Spot on Neg Plate Near Bottom Second From End, Ceramic Short.		
				25°	2348	10	1688	Low Volt Disch, Low Volt Chg, Ceramic Short.		
			3.0	25°	1757	ŗ	2375	Low Volt Disch, Low Volt Chg, Ceramic Short, Deposit Around Ceramic Seal, High Pres Bulge.		
				25°	1598	2	2449	Low Volt Disch, Low Volt Chg, Pinpoint Penetration of Separator, Blistering on Pos Plate, High Pres Bulge.		
63				25°	2347	9	2885	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pressure Bulge, Still Under Pressure When Opened.		
10	18			25°	1826	6	365	Low Volt Disch, Chg Volt Normal, Lost 3 gm, Concave Wall, Ceramic Short.		
•				25°	1615	3	608	Low Volt Disch, Normal Volt Chg, Deposit on Top of Pos Terminal, Lost 5.1 gm, High Pres Bulge.		
				25°	1827	. 7	643,	Low Volt Disch, High Volt Chg, High Pres Bulge, Ceramić Short.		
				25°	2228	9	643	Low Volt Disch, High Volt Chg, Ceramic Short.		
						25°	1562	5		Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.
				25°	1233	1	1550	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate, Neg Plate Material on Separator.		

	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 6.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS												
	37	15%	1.5	50°	1764	3	238	Low Volt Disch, Volt Did Not Increase on Following Chg, (1.00 V) Lost 4 gm, Ceramic Short.												
				40°	1784	8	1566	Low Volt Disch, Low Volt Chg, Lost 10.5 gm, Ceramic Short.												
				40°	1802	14	2819	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate.												
				40°	2333	10	2981	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.												
				40°	1769	7	4897	Low Volt Disch, Normal Volt Chg, Ceramic Short, Leaked, Lost 1 gm, Blistering on Pos Plate, Separator Deteriorated.												
3			1.5	1.5	1.5	40°	1814	6	6064	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Separator Deteriorated, Neg Plate Material on Separator, Blistering on Pos Plates, Ceramic Short.										
	38	25%				50°	1454	8	37	No Volt on Chg or Disch, Ceramic Short.										
							50°	1815	6	114	Volt Fell Off During Disch, Chg Volt Slightly Low, Lost 3.5 gm, Ceramic Short.									
	:															40°	1853	9	187	Rev on Disch, Chg Volt Normal, Lost 4 gm, Deposits Around Pos Terminal (Outside), Ceramic Short.
															40°	1627	3	225	Low Volt Disch, High Volt Chg on Cycle 219, Dead on 225, Lost 3.5 gm.	
			40°	2405	5	1333	Low Volt Disch, Normal Volt Chg, Pos Bus Shorted to Case.													
				40°	1626	2	1377	Low Volt Disch, Low Volt Chg, High Pres Bulge, Ceramic Short.												
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	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	test temperature	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 6.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
	41	15%	3.0	ζ‡O°	1771	9	649	Low Volt Disch, High Volt Chg, Ceramic Short.
				40°	1801	6	1062	Low Volt Disch, Normal Volt Chg, Ceramic Short.
				40°	3135	2	1132	Low Volt Disch, Normal Volt Chg, Ceramic Short.
				40°	1852	7	1157	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.
				40°	2221	8	1157	Low Volt Disch, Normal Volt Chg, Ceramic Short.
				40°	1632	3	1689	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.
15	42	25%	3.0	50° ,	2309	8	96	Low Volt Disch, Normal Volt Chg, Ceramic Short.
				40°	2346	7	382	Low Volt Disch, Low Volt Chg, CO3 on Bottom of Case, Ceramic Short.
				40°	2306	9	416	Low Volt Disch, High Volt Chg, Ceramic Short.
				40°	918	1	484	Low Volt Disch, Low Volt Chg, High Pres Bulge, Deposit on Bottom of Case, Ceramic Short, Lost 3.1 gm.
				j+0.	2340	6	3619	Low Volt Disch, Normal Volt-Chg, Deposit Around Ceramic Seal and Bottom Seam of Can, Leaked, Lost 8.2 gm, Pinpoint Penetration, Separator Deteriorated.
				40°	2334	4	4133	Low Volt Disch, Low Volt Chg, Deposit Around Cracked Pos Terminal, Leaked, Lost 8.8 gm, Migration of Neg Plate Material, Blistering on Pos Plates, Separator Completely Deteriorated, Ceramic Short.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELLI	POSITION IN PACK	CYCLES	CELL TYPE: Gulton 6.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
61	15%	1.5	٥°	1622	2	1	Volt Between 0.25 and 0.3 V Throughout Cycle, Side Concave, Burnt Case, End Neg Pushed Into Pos Tab. Cell Replaced in Pack Due to Early Failure.
			0°	1845	8	. 6	Lost 5 gm, Leak at Weld on Bottom, High Pres Bulge, Cell Replaced in Pack Due to Early Failure.
			0°	2397	5	2762	Low Volt Disch, Low Volt Chg, Ceramic Short.
			0°	1825	14	4094	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.
			0°	2311	10	4285	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.
			0°	2400	6	4413	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pres Bulge.
			0 °	1636	3	*9760	Low Volt Disch, Low Volt Chg, High Pres Bulge, Concave Sides, Leaked, Lost 2.7 gm, Rough Place on Pos Plate Shorted Through Separator, Migration of Neg Plate Material Through Separator, Blistering on Pos Plates, Separator Deteriorated, Ceramic Short.
			0°	1616	1	*10146	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Concave Sides Causing Bus to Short Against Case, Pos Tab Burned, Migration of Neg Plate Material Through Separator, Separator Very Slightly Deteriorated, Leaked, Lost 6.0 gm.
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						* FAILE	D DURING THIS REPORTING PERIOD.

	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 6.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
	66	25%	3.0	O°	1794	6	1045	Low Volt Disch, High Volt Chg, High Pres Bulge, Concave Side, Ceramic Broken, No Seal, Lost 5.1 gm, Pos Bus Against Case.
				o°	1843	8	1173	Low Volt Disch, Low Volt Chg, Wall Concave, Ceramic Short.
				O°	1781	5	1237	Low Volt Disch, High Volt Chg, High Pres Bulge, Deposit Around Pos Terminal, Ceramic Broken on Pos Terminal, Blisters on Pos Plate, Burnt Spot on Separator at Blisters, Lost 1.3 gm.
				o°	1634	3	1417	Low Volt Disch, Normal Volt Chg, Ceramic Short, High Pres Bulge, One Side Concave Other Convex, Pos Plates Blistered, Lost 2.3 gm.
26				o°	1823	7	2122	Low Volt Disch, Low Volt Chg, Leaked, Lost 7.8 gm, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge, One Side Concave.
		,			1591	4	441 4	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, High Pressure Bulge, Concave Sides Shorting Against Pos Bus, Cerami Short, Migration of Neg Plate Material, Pinpoint Penetration o Separator.
	79	50%	24.0	25°	2982	1	149	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, Still Under Pressure When Opened, Ceramic Short, Very Light Migration, Blistering on Pos Plates, Separator Deteriorated.
				25°	2984	3	164	Ceramic Short, Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.
				25°	2983	2	5 ¹ 45	Low Volt Disch, Normal Volt Chg, Burned Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated.
				25°	2985	4	545	Low Volt Disch, Normal Volt Chg, Burned Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated. Low Volt Disch, Normal Volt Chg, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deterioration.
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PACIK	NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: General Electric 12.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	
	35	15%	1.5	40°	428	4	8888	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	
		50%		40°	448	3	8947	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	
				40°	455	2	9710	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.	
Ş	93		24.0	40°	208	2	266	Low Volt Disch, Normal Volt Chg, Was Opened Up But Did Not Show Anything to be Wrong with Cell, Failure Due to Loss of Capacity.	
				40°	204	1	349	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, Pin- point Penetration, Separator Deteriorated.	
				40°	209	3	349	Low Volt Disch, Normal Volt Chg, Deposit on Pos and Neg Terminal, Migration of Neg Plate Material, Separator Deteriorated.	
						40°	210	4	349
				40°	211	5	3 49	Migration of Neg Plate Material, Separator Deteriorated, Plate Not Packed Evenly.	

PACK. NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: General Electric 12.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
96	40%	1.5	25°	445	3	3822	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.
			25°	446	2	4020	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.
			25°	14745	4	4020	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.
97	40%	3.0	25°	438	2	3894	Low Volt Disch, Low Volt Chg, Deposit on Pos and Neg Terminals, Pinpoint Penetration, Separator Deteriorated.
			25°	435	3	3946	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Blistering on Pos Plate, Separator Deteriorated.
			25°	14314	4	5002	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Separator Completely Deteriorated.
99	25%	1.5	ĵ ^{†O} °	1429	3	3841	Shorted on Cycling, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator, Leaked at Neg Terminal, Epoxy Lifted Up.
			40°	432	2	3841	Failed During Shut Down of Pack, Separator Deteriorated, Separator Impregnated with Neg Plate Material.
Zalatuwa wa na			40°	1440	1	.4853	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Separator Impregnated with Neg Plate Material.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATORE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED .	CELL TYPE: General Electric 12.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
100	25%	3.0	40°	427	3	4170	Shorted on Cycling, High Pressure Bulge, Still Under Pressure When Opened, Blistering on Pos Plates, Separator Completely Deteriorated.
			40°	431	2	4358	Shorted on Cycling, High Pressure Bulge, Still Under Pressure, Migration of Neg Plate Material, Separator Completely Deteriorated.
			40°	436	1	4424	Shorted on Cycling, Migration of Neg Plate Material Through Separator, Separator Completely Deteriorated.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL	POSITION IN PACK	CYCLES COMPLETED	CEIL TYPE: Gulton 12 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
290	25%	1.5	40°	1460)‡	3060	Low Volt Disch, Low Volt Chg, Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated Allowing Plates to Short Together.
			40°	1459	3	3318	Shorted on Cycling, Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated Allowing Plates to Short Together.
			40°	1461	5	5124	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.
296	40%	1.5	25°	1447	ţ	5036	Low Volt Disch, Normal Volt Chg, Piece of Loose Neg Plate Material Between Plates, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.
			25°	1443	. 2	5152	Shorted on Cycling, High Pressure Bulge, Blistering on Pos Plates, Separator Completely Gone, Hottest Point Near Center of Pack, All Insulators Burned, Leaked, Lost 3.3 gm.
			25°	1445	3	5152	Low Volt Disch, Low Volt Chg, Deposit on Both Terminals, High Pressure Bulge, Migration of Neg Plate Material, Short Through Separator Near Center of Plate, Separator Completely Deteriorated.

	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	test temperature	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: Gulton 20 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
	73	25%	1.5	25°	396	3	1776	Low Volt Disch, Normal Volt Chg, Concave Side, Neg Ceramic Seal Broken, Lost 23.7 gm.
				25°	387	1	6120	Low Volt Disch, Low Volt Chg, Lost 13.2 gm, Separator Completely Deteriorated, Neg Plate Material Migration, Pinpoint Penetration, Blistering on Pos Plates, High Pressure Bulge.
				25°	465	γ t	7763	Low Volt Disch, Low Volt Chg, Deposit on Pos Terminal, Sides Concave, Migration of Active Plate Material, Blistering on Pos Plates, Separator Completely Deteriorated, Ceramic Short.
	74	25%	3.0	25°	458	4	1184	Low Volt Disch, Low Volt Chg, Leaked, Lost 14.2 gm, Blistering on Pos Plates.
ယ္				25 °	419	3	1302	Low Volt Disch, Normal Volt Chg, Leaked, Lost 21.9 gm.
				25°	440	2	1754	Low Volt Disch, Normal Volt Chg, Leaked Around Both Terminals, Ceramic Broken on Neg Terminal, Lost 18.0 gm, Neg Plate Material Penetrated Separator, Sides Concaved, Shorting Case to Bus.
	76	15%	1.5	40°	453	2	7697	Shorted on Cycling, Deposit on Neg Terminal, Ceramic Broken Around Neg Terminal, Extraneous Active Material Caused Short Between Plates, Separator Completely Deteriorated.
				40° •	431	4	7698	Cell Shorted During Shut Down for Cell Removal, High Pressure Bulge, Still Under Pressure When Opened, Pinpoint Penetration, Causing Shorts, Separator Completely Deteriorated.
	And the second s			40°	455	3	9348	Shorted During Cycling, High Pressure Bulge, Still Under Pressure When Opened, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated, Short on Upper Corner Near Neg Tab.
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	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 20 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
	87	40%	1.5	25°	468	1	163	Low Volt Disch, High Volt Chg, High Pres Bulge, Lost 8 gm.
				25°	388	2	208	Low Volt Disch, High Volt Chg, Lost 26.7 gm, Ceramic Short Around Pos Terminal.
				25°	394	3	627	Low Volt Disch, High Volt Chg, Lost 16.4 gm, High Pres Bulge, Deposit on Both Terminals, Ceramic Short Neg to Case.
				25°	454	4	627	Low Volt Disch, Low Volt Chg, Lost 21.6 gm, Deposit on Both Terminals, Sides Concave, Hit Bus on Both Sides.
				25°	386	5	627	Low Volt Disch, Low Volt Chg, Lost 18.1 gm, High Pres Bulge, Burnt Separator 5th or 6th Neg Plate Near Top, Ceramic Short.
'n	88	40%	3.0	25°	422	2	151	Low Volt Disch, High Volt Chg, High Pres Bulge, Bottom Ceramic Leak, Lost 25 gm.
				25°	404	1	151	Low Volt Disch, High Volt Chg, High Pres Bulge, Bottom Ceramic Leak, Lost 25 gm.
				25°	466	3	358	Low Volt Disch, High Volt Chg, High Pres Bulge, Lost 16.4 gm.
				25 °	429	5.	358	Low Volt Disch, Low Volt Chg, Ceramic Short Around Pos Terminal.
	90	25%	1.5	40°	452	4	2824	Low Volt Disch, Low Volt Chg, Short Through Separator at Top of Plates, High Pres Bulge on Sides, High Pres, Separator Deteriorated.
				40°	457	5	2824	Low Volt Disch, Normal Volt Chg, Short Through Separator, Blistering on Pos Plate, High Pres Bulge on Sides, High Pres.
				40°	378	3	4045	Low Volt Disch, Normal Volt Chg, Short Through Separator, Blistering on Pos Plate, High Fres Bulge on Sides, High Pres. Normal Volt Disch, Went Dead on Chg During Cap Check, Ceramic Short, Separator Completely Deteriorated.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 20 Ampere-Hour FATLURE Nickel-Cadmium
PAC	国员	BH)	自首	日日	ÄĦ	CKC CKC	ANALYSIS
91	25%	3.0	40° .	3 95	4	2862	Shorted Out Following Capacity Check, Leaked, Lost 6.8 gm, Deposit on Both Terminals, Both Ceramic Seals Broken, Separator Completely Deteriorated, Neg Plate Material Migration, Separator Very Wet, Plastic Wrap Burned, Ceramic Short.
			40°	412	3	3385	Shorted on Cycling, High Pressure Bulge, Pos and Neg Plate Material on Separator, Separator Completely Deteriorated.
			40°	489	1	4480	Shorted During Cycling, Deposit on Both Terminals, Still Under Pressure When Opened, Concave Sides, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.
			ħ0 。	447	2	4480	Shorted During Cycling, Deposit on Neg Terminal, High Pressure Bulge, Concave Sides, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated.
101	15%	1.5	౦°	435	2	31 11	Low Volt Disch, High Volt Chg, Leaked, Lost 24.6 gm, High Pres Bulge, Separator Very Dry.
			0°	407	5	3111	Low Volt Disch, High Volt Chg, Leaked, Lost 20.4 gm, Separator Very Dry.
			0°	438	4	3629	Low Volt Disch, High Volt Chg, Leaked, Lost 13.2 gm, High Pres Bulge, Sides Concave, Blistering on Pos Plates.
115	25%	1.5	٥°	490	3	2107	Low Volt Disch, Normal Volt Chg, Walls Concave, Busses Shorted to Case, Lost 26.9 gm.
	i A		0°	508	2	2203	High Pres Bulge, Blisters on Pos Plate, Busses Shorted to Case.
			O°	467	4	2291	High Pres Bulge, Blisters on Pos Plate, Busses Shorted to Case. Black Deposit on Outside on Neg Terminal, High Pres Bulge, Busses Shorted to Case, Blisters on Pos Plate, Burnt Spot on Separator.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERI((HOURS)	TEST TEMPERATURI	CELL	POSITION IN PACK	CYCLES COMPLETED .	CELL TYPE: Gould 20 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
104	25%	1.5	25°	69	1	2672	
		,	25°	R36	5	2826	Low Volt Disch, Low Volt Chg, Short Between Plates, Grid Wire Penetrated Separator, Pos Plate Material Between Plates, High Pressure.
			25°	5	3	2980	Low Volt Disch, Low Volt Chg, Separator Completely Deteriorated, Short Between Plates, High Pressure.
112	15%	1.5	40°	17-	1	5005	Low Volt Disch, Low Volt Chg, Short Between Plates, Short About One Inch From Bottom of Plates, Separator Completely Deteriorated, High Pressure.
			40°	25	2	5005	Low Volt Disch, Low Volt Chg, Shorted Through Separator, Shorted on Bottom Corner of Plates, Separator Completely Deteriorated, High Pressure.
			40°	38	5	5 21 3	Low Volt Disch, Low Volt Chg, Short at Top Corner of Plate Where Pos Tabs are Connected to Plates, Separator Deteriorated Allowing Plates to Come Together, Blistering on Pos Plates.
118	40%	1.5	25°	61	2	1747	Low Volt Disch, Low Volt Chg, Short at Bottom of Pos Plate, Grid Wires Penetrated Separator Where Tape Holds Plates Together, High Pressure.
		,	25°	R91	4	1963	Plates, Grid Wires Through Separator, Rough Grid Showing Through
			25°	92	5	2937	at Top and Bottom of Most Plates, High Pressure. Low Volt Disch, Low Volt Chg, Short Through Separator on Side of Plates, Pos Plate Material Penetrated Separator, High Pressure.
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PACK. NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES	CELL TYPE: Gould 20 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
119	40%	3.0	25°	73	5	222	Normal Volt Disch, Low Volt Chg, Short Near Bottom of 5th or 6th Pos, No Obvious Cause.
			25 °	80	2	1793	Low Volt Disch, Normal Volt Chg, Neg Plate Material Penetrated Separator, High Pressure, Blistering on Pos Plate.
			25 °	86	3	1793	Low Volt Disch, Normal Volt Chg, Neg Plate Material Penetrated Separator, High Pressure, Blistering on Pos Plate.
122	25%	3-0	40°	1.6	2	801.	Low Volt Disch, Low Volt Chg, Blistering on Pos Plates, Separator Deteriorated, Plate Material on Both Sides of Separator, High Pressure.
			40°	58	3	801	Low Volt Disch, Low Volt Chg, Blistering on Pos Plates, Separator Deteriorated, Plate Material on Both Sides of Separator, High Pressure.
			40°	1.8	5	983	Low Volt Disch, Low Volt Chg, Plate Material Penetrated Separator, Pos Plates Blistered, High Pressure.
126	25%	1.5	40°	9	3	1273	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Neg Plate, Grid Wire Penetrated Separator, Several Other Plates Had Grid Wires Sticking Out, High Pressure.
			₇ +0°	R29	ŽĘ.	1509	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Pos Plate, Grid Wire Penetrated Separator, Blistering on Pos Plates, Separator Deteriorated, High Pressure.
			40°	11	5	1569	Low Volt Disch, Low Volt Chg, Shorted on Side of Pos Plate, Grid Wire Penetrated Separator, High Pressure.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 50 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
95	25%	1.5	O°	109	3	2643	Shorted Out While Cycling, All Plates Shorted at Bottom Center, Separator Very Dry and Stiff From Heat, Blistering on Pos Plate.
			o°	107	5	2938	Shorted Out While Cycling, Short Between Plates at Center Near Bottom of Plates, Separator Dry, Small Amount of Neg Plate Material Migration on Separator.
			o°	115	1	3227	Low Volt Disch, High Volt Chg, Separator Impregnated with Neg Plate Material, Large Blisters on Pos Plate, One Neg Plate Stuck to Can.
123	15%	1.5	40°	119	2	1.873	Low Volt Disch, Low Volt Chg, Separator Decomposed, Hot Spots Through Separator Shorted Out Several Plates, High Pres Bulge, Still Under Pressure When Opened.
)†O°	118	3	1873	Went Dead During Shutdown, Separator Decomposed, Several Small Hot Spots on Each Plate, Outside Neg Plates Stuck to Case, High Pres Bulge, Deposit Around Ceramic Seal of Pos Terminal.
			40°	117	4	1873	Went Dead During Shutdown, Separator Decomposed, Neg Plate Stuck to Case, High Pres Bulge, Still Under Pressure When Opened.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CEIL TYPE: Delco 25 Ampere-Hour FATLURE Silver-Zinc ANALYSIS
75	40%	24.0	25°			32	Cell Blew Up, Pack Returned to Manufacturer.
89	40%	24.0	25°			80	Returned to Manufacturer for Analysis.
288	40%	3.0	25°			120	Returned to Manufacturer for Analysis.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: FAILURE ANALYSIS	Delco 40 Ampere-Hour Silver-Zinc
275	25%	24.0	25°	OA	HH	139		Manufacturer for Analysis.
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PACK	NUMBER DEPTH OF		ORBIT PERIOD (HOURS)	TEST TEMPERALTURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: Yardney 12 Ampere-Hour FATLURE Silver-Cadmium ANALYSIS
33	50	2	24.0	1+0°		3	58	Leaked, Dried Out.
				40°		2	126	Leaked, Dried Out.
				7 0°		1.	1.52	Leaked, Dried Out.
				l‡O°		8	197	Leaked, Dried Out.
				40°.		4	210	Leaked, Dried Out.
				40°		10	210	Leaked, Dried Out.
57	509	2	4.0	0°		ı	162	Leaked, Electrolyte Shorted Out Cell.
				o°		2	162	Leaked, Electrolyte Shorted Out Cell.
			-	0°		10	162	Leaked, Electrolyte Shorted Out Cell.
				o°		3	166	Leaked, Electrolyte Shorted Out Cell.
				o°		4	166	Leaked, Electrolyte Shorted Out Cell.
				o°		5	: 166	Leaked, Electrolyte Shorted Out Cell.
				0°	.]	6	166	Leaked, Electrolyte Shorted Out Cell.
				0,		7	166	Leaked, Electrolyte Shorted Out Cell.
				o°		8	166	Leaked, Electrolyte Shorted Out Cell.
				o°		9	166	Leaked, Electrolyte Shorted Out Cell.
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PACK	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: General Electric 3.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
20	40%	3.0	25°	421	5	3704	Low Volt Disch, Low Volt Chg, Blistering on Bottom and Top Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.
			25°	433	2	4485	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates, Separator Deteriorated, Burned Pos Tab.
	,		25°	711	6	4485	Low Volt Disch, Low Volt Chg, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deteriorated, Deposit on Pos Terminal.
			25°	710	3	4889	Shorted on Cycling, Deposit on Pos Terminal, Migration of Neg Plate Material Through Separator, Hot Spots Around Pinpoint Penetrations, Blistering on Pos Plates, Separator Deteriorated.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CEIL TYPE: Gould 3.5 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
52	25%	1.5	0°	116	8	7858	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Neg Plate Material on Separator, Excess Migration of Neg Plate Material, Separator Deteriorated.
:	:		0°	194	10	8367	Low Volt Disch, Normal Volt Chg, Under High Pressure When Opened, Pinpoint Penetration, Migration of Active Material Around Tab Areas.
		:	0°	108	7	9724	Low Volt Disch, High Volt Chg, Loose Active Pos Plate Material, Migration of Neg Plate Material Through Separator, Separator Deteriorated.
			0°	118	9	9724	Low Volt Disch, Low Volt Chg, Loose Active Pos Plate Material, Migration of Neg Plate Material Through Separator, Separator Deteriorated.
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PACK. NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	Test Temperature	CELL	POSTITION IN PACK	CYCLES	CELL TYPE: Sonotone 5.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
1	25%	1.5	25°	4361	4	2995	Low Volt Disch, High Volt Chg, Inclusion on Surface of Outside Pos Plate Wore Hole Through Separator and Thin Outside Wrap, Separator Sticking to Neg Plate, Glass Seal Leaked.
			25°	4335	1.	4423	Low Volt Disch, High Volt Chg, Neg Tabs Weak Weld to Plates, Separator Melted at Center of Core, Extreme Pressure Points on Separator From Scoring Causing High Resistance Shorts.
			25°	4878	6	7782	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Short Caused by Excess Scoring, Migration of Neg Plate Material, Separator Completely Deteriorated.
. 5	25%	3.0	25°	4351	. 2	3771	Low Volt Disch, High Volt Chg, Deposit on Glass Seal, Excess Scoring, Migration of Neg Plate Material, Deep Pressure Points Resulting in Intermittant Shorts, Separator Deteriorated.

	PACK MUMBER	DEFTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Sonotone 5.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
	6	40%	3.0	25°	4324	8	1069	Low Volt Disch, Normal Volt Chg, Separator Impregnated With Active Material, Separator Sticking to Neg Plate.
				25°	6904	10.	1136	Low Volt Disch, Low Volt Chg, Small Hole in Separator at Start of Coil, Pos Plate Edge Broken Allowing Grid Wire to Penetrate Separator.
				25°	3637	4	1161	Grid Wires of Pos Plate Penetrated Separator and Shorted to Neg Plate, Active Plate Material Penetrated Separator at Three Points, Bad Tab Welds.
	,		,	25°	6875	9	3798	Low Volt Disch, Normal Volt Chg, High Pressure Bulge, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.
		-		25°	6882	7	4608	Low Volt Disch, Normal Volt Chg, Excess Scoring, Shorts at Edge of Plates, Neg Tab Area, and at Scoring, Weak Weld Neg Plate to Tab, Separator Deteriorated.
	50	15%	3.0	40° ,	3626	1	1418	Shorted on Cycling, Neg Tab Welds Poor, Active Plate Material Penetrated Separator at Scoring Marks.
		gelikkrege in die een de gebeure gelegt gebe		4O°	810	7	4835	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Burn Spots Along Top Edge of Neg Plate, Hole Burned in Separator, Weak Weld Neg Tab to Plate.
				40°	4327	8	4340	Separator Adjacent to Score Band, Separator Completely Deteriorated.
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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Sonotone 5.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
49	15%	1.5	0°	6887	9	.2010	Low Volt Disch, Low Volt Chg, Burn on Separator Opposite Pos `Tab.
			0°	4370	3	10073	Shorted During Cycling, Short Through Separator Caused By Deep Pressure Points Adjacent to Scoring, Migration of Neg Plate Material, Small Inclusion on Plates Starting to Penetrate Through Separator.
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-7	NUMBER	DISCHARGE	ORBIT PERIOD . (HOURS)	TEIST O TEMPERATURE	. CELL 168 CELL	POSITION IN PACK	CYCLES NO COMPLETED	CEIL TYPE: Gulton 5.0 Ampere-Hour (NIMBUS) FAILURE Nickel-Cadmium ANALYSIS Shorted During Cycling, Neg Plate Not Welded To Case, Loose Neg Plate Material at Center of Core, Migration of Neg Plate Material, Separator Deteriorated, Ceramic Short.

	PACK NUMBER	DEFTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERALURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CEIL TYPE: Gulton 6.0 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
	62	25%	1.5	O°	1630	10	2995	Low Volt Disch, High Volt Chg, Leaked, Lost 6.8 gm, Ceramic Seal Broke, Deposit on Inside of Ceramic, High Pres Bulge, Blistering on Pos Plates.
				o°	1792	14	4066	Low Volt Disch, Low Volt Chg, Small Shorts Through Separator Near Pos Tab, Blistering on Pos Plate, Separator Deteriorated.
				o°	1806	5	4447	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pres Bulge.
				o°	2227	. 7	8590	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Pinpoint Penetration, Blistering on Pos Plates, Ceramic Short.
P.A.	65	15%	3.0	O°	1284	<u>,</u>	5012	Under Pressure When Opened, Concave Sides, Edge of Pos Tab Shorted to Top of Neg Plates, Very Light Migration of Neg Plate Material, Blistering on Pos Plates.

•	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: Gulton 6.0 Ampere-Hour (HSI) FAILURE Nickel-Cadmium ANALYSIS
	238		1.5	άΟ°	5321	5	4350	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Pos Tab Burned, Migration of Neg Plate Material, Blistering on Pos Plate, Separator Completely Deteriorated, Neg Plate Shorted Through Separator.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CEIL TYPE: General Electric 12.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
82	25%	1.5	25°	430	2	7527	Low Volt Disch, Normal Volt Chg, Pierced Separator Caused By Rough Place at Top Edge of Neg Plate, Neg Plate Material Migrated, Separator Deteriorated.
124	25%	1.5	O°	ት 10	5	3037	Cell Lost Capacity on Cycling But Came Back When Removed From Pack, So It was Put Back on Cycling in Same Pack.

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PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Gulton 20 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS	
	1.5%	3.0	O°	449	2	135	Volt Fell Suddenly at End of Chg, Burn Spots at Busses, Con Around Spots, End Neg Pushed Into Pos Tab.	cave

PACK NUMBER	DEPTH OF DISCHARGE	OREIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES	CELL TYPE: Gould 20 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
98	25%	15	O°	77	5	3556	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Neg Plate Material Penetrated Separator, Two Pos Plates Not Welded to Tabs.
			0°	47	l	8619	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Pieces of Loose Neg Plate Material Between Plates, Migration of Neg Plate Material, Separator Deteriorated, Short Through Separator at Bottom of Plates Where Tape Holds Plates Together.
105	25%	3.0	25°	40	1	4306	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Hot Spots Around Pinpoint Penetration, Deep Penetration by Blisters on Pos Plate, Separator Deteriorated.
108	15%	3.0	40°	81	2	4003	Shorted on Cycling, Still Under Pressure When Opened, Several Shorts Caused by Small Pieces of Metal Between Plates, Blistering on Pos Plates, Separator Deteriorated.
			40°		3	4233	Shorted During Cycling, Still Under Pressure When Opened, Loose Pieces of Pos Plate Material Between Plates, Pinpoint Penetration, Blistering on Pos and Neg Plates, Separator Deteriorated, Short Between Pos Plate and Neg Tab at Top of Cell.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: Sonotone 3.0 Ampere-Hour FAILURE Nickel-Cadmium ANALYSIS
202	40%	1.5	25°	A3 553		1630	Low Volt Disch, Normal Volt Chg, Cell Very Dry, Capacity Decay Due to Insufficient Electrolyte, Migration of Plate Material Around Tab and Scoring Areas.

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLES COMPLETED	CELL TYPE: <u>Gulton 6.0 Ampere-Hour (Third Electrode)</u> FATLURE Nickel-Cadmium ANALYSIS
11	25%	1.5	25°	147	3	2753	Third Electrode Shorted to Pos, Ceramic Short, Blistering on Pos Plates, Separator Deteriorated, Leaked, Lost 1.3 gm.
59	25%	1.5	C°	140	3 ,	3202	Third Electrode Shorted to Neg Plate, Migration of Neg Plate Material, Shorted out Third Electrode, High Pressure Bulge, Still Under Pressure When Opened, Lost 1.4 gm.
71	1+0%	1.5	O°	130	5	2993	Low Volt Disch, High Volt Chg, Deposit on Neg Terminal, Leaked, Lost 8.7 gm, High Pressure Bulge, Large Deposits of Loose Active Neg Plate Material, Hot Spots Around Pinpoint Penetration, Blistering on Pos Plates.

PACK	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL	POSITION IN PACK	CYCLEIS COMPLETED	CELL TYPE: Gulton 3.6 Ampere-Hour FATLURE Nickel-Cadmium ANALYSIS
Sherfey	40%	1.5	25	106	S	2409	Low Volt Disch, Low Volt Chg, Deposit on Edge of Top to Side Weld, Leaked, Lost 3.9 gm., Loose Active Material Pos and Neg, Pinpoint Penetration, Separator Very Dry.

^{*} Failed During This Reporting Period

	<u>.</u>	F	MPERE	-HOUR C	APACII	LES U	N PRECO	MDTTTO	NTNG Y	ND CAP.	ACLTI	UHLUK	CICTTER			
		ë			PRECC	NDITI	ONING	C	APACIT	Y CHEC	ks aft	er 88-1	DAY IN	TERVAL	S	色
TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE ° C	INTTIAL	*	(B) ON BBC	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	CYCLES TO PACK FALLURE
G.E.	63	1.5	15	Ō	3,48		Jeografia Princi Estário	3.18	3.12	3.05	3.03	3.05	2.90	3.30	3,50	torangraph was
3 A.H.	64		25	0	3.50			3,33	3.70	3.38	3.35	342	3.17	3./2		
	15		25 40	25 25 50/40	4 00			3.38	2.93	2,33	1.95	1.47	1.15	1.10		
	15 16 39 40		<u> 40</u>	25	71,55			2,75	3.10	1 35						5013
	39) 	15	50/40	1.65	_ੜ.ਖਤ <u>ੋ</u>	(779)	3.10	1.53	1.25	1.17	0.70				8109
i	40		25	50/40	1.80	2 5¢	(1440)	0.88	0.88	<u> </u>		<u> </u>				2509
						ļ	·	<u> </u>	<u> </u>				[
G.E.	67 68 19 20 43	3	<u>.15</u> .		3.63			3 25	3,40	3,53	2.97	3.25	2.95	<u> </u>		
3 А.Н.	60		<u>25.</u>	Q	3.50			3 35	3,53	3,40	3 27	3.25	2.93	2.87		
:	72		25. 25. 40.	25	3.93	<u> </u>	,	3.78	3.48	3.15	3.00	2.78	3.48	2.79	2.20	
	20		4Q.	25	3.78			3,00	3,35	1.65	1.83	2.00	1.62	1.47	1,20	2656
	43 44		15	50/40	\.77	2.63	(320)	3.70	1-61	· ————		0.95				
	44		25_	50/40	1.60.	3.00	(341)	1.35	1.19	1,15	1:10	0.73	0.88			
:								 				 	}		l	
Gould	51	1.5	15	0	3.62			4.00	3.33	3.41	3, 21	3.35	3.15	3.47	3,00	
3.5 A.H.	52	-	25	Ö	3.33			3.85	3.53	3.18	3.30	3.24	2.80	2.65	, , , , , , , , , , , , , , , , , , ,	13.
J. 7 11.11.			25	25	4.00	<i>-</i>		3.82	2.92	2.25						· "4"/5") ··
	3 4		14Q	25	3.44		***************	3.38	2.77							3164
	27		15	50/40	153	2.63	(779)	2.07	1.95	1.90						7,482
	28		25_	50/40	1.55	3.07	(424)	2.86								1811
Gould	55	3	15	[o	3.27			3.59	3.15	3,38	3.33	3.27	3.03	2.77		
3.5 A.H.	55 56	,	25	Ω	3 50			3,91	3.53	3.65	3,41	3.38	3.30	3.27		
3 · 3 · 3	7		. 25 . 25	25	4,32			H.03	3.79	3,53	2.77	228	2.51			
	8		40	25	4,29			3.65	3,35	3.03			<u> </u>			३ म १ म
	31		15.	50/40.		1,31	(373)	1.75	1.98	2.16						२५३५
•	32		25	50/40	1.55	1.66	<u> (495)</u>	1,49	~ ~~ ~							975
	ł :		ŀ	1 '	!	l		ļ	l .			I	1	<u></u>	<u> </u>	

^{*} Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

** Still at 50° C.

-	<u> </u>							N PRECO		APACIT			er 88-	DAY IN	TERVAL	S	E
	TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE ° C	INITIAL	*	(See Note)	, FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXIH 88 DAYS	SEVENTH 88 DAYS	elchth 88 days	CYCLES TO PACK FAILURE
	Sonotone	49	1.5	15	0	5.45			5.54	5.50	4 96	4.79	4.71	4.50	4.54		
	5 A.H.	5d		25 25	0 25	5.04 5.42	}		4 96 3.67	4.58	4.25 288	3.79	3.67	3.67	3,46	9 137	<u> </u>
		7		40	<u>22</u>	642			4 38	4.17	3.25	3.00	221	2.58	280	2.46	6671
	1	20 20 20 20		15	50/40	3.08	3.63	(703)	2.25	1.83	2.04	1.17	1.17	1.54	0.83		
		26		25_	50/40		3 17	(445)	2.75	2.93							3625
					,												
	Sonotone	53	3	15_	0	5.67			5.79	5.67	5.42	5.33	5.50	5.54	5.00		
	5 A.H.	54		25	<u>0</u>	4,92			3.96	3 96	4 13	3.96	3.75	3.29	3.38		
	:	رَجُ		25 40	25 25	571			4 58	3.04 3.29	3.04·	2.13	2.33	2.08	2.00	2.13	
		53 54 5 29		15	50/40	5.83 2 33	4 92	(223)	4.50 2.75	2.38	3 42	3.08	1.96	1.29	1.79	α. / J	
i		30		25	50/40		3.50	(183)	/ 88 -∝:∵:>	3.88	2.38	167	1.21				4141
		أ		= 2	7979	=111-1		34 1						1-1-1-1			
				i													
	Gulton	61	1.5	_ 15_	0	5.00			5-10	5.40	4.45	3.15	2.60	2.15	1,75		
	6 а.н.	62		25 25	0	5.00			4.75	3.80	4.35	3.55	3.30	3,30	3,95		
		13		25	25	5.80			275	2.85	2.70						4021
		14		40	25	6 40 275		(239)	3 45	2.55	1.85	2.00					2086 6064
		13 14 37 38		15 25	50/40 50/40	265	3.60 2.90	(114)	1.55	4.42	1.82	4.00					1377
		٥٩		27.	207.40	4 63	4.70		1.03								
	Gulton	65	3	15	0	450			5.45	5.35	5.15	4.50	4,50	5, 15	4.20		
	6 А.н.	65 66	J	25	ō	14 35			500	3.50	2.50	3 80	3.90	3.45		•	4414
	j	17		25	25	5.80		*******	3 65	3.45	2.50	2.30					2882
		18!		40	25 ,	1 4.55	ļ	·	4.95	3.16		 					1550
		41		1 25	50/40	2.75	4.55_	(239)	2.05	1.63							1689
		42		1 25	50/40	3.60	3 <u>.80</u>	(96)	3-/2	2.10	2,35	1.85	1.50	1.30			4133

^{*} Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

-	,	A)	APERE-	HOUR C	APACIT	IES O	N PRECO	MULTIO	NING A	ND CAP	ACLIY	CHECK	UXULES	waling Tanger	ır	
					PRECO	NDITIO	ONING	C.	apacit	Y CHEC	ks aft	er 88-1	DAY IN	I'ERVAL:	S .	
TYPE	PACK NUMBER ORBIT PERTOD	(Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	INTTIAL	***************************************	(See More)	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXITH 88 DAYS	SEVENTH 88 DAYS	elchth 88 dais	CYCLES TO PACK FALLUR
G.E.		5	15	_0	13.9	« ~ . -	a. a Verino agains	12.7	104	13.0	13.5	14.)	13.7	14,3		
12 A.H.	1.24	1	15 25 25	0 25	1월 2		-	13.5	13.9	13.8	11.4	11.5	11.7	10.8		
	82	}	· 40	25	14 8 12 3			8,00	<u>5 55</u> 7.65	5.50	<i>ડ</i> .40	5 70	5.00	1.70		4020
	96 85		ግሩ :	50/40	6 SO 1	8 30	(334)	5.00	470	5,00	4.90	5.00	1.90	4.30		
	38	1	<u>,25</u>	, 50,740 ;	690	600	(195)	4.90	5.20	4.40						<u>4</u> 85 <u>3</u>
ar na	[. 1	* <u>*</u>	- 1	(ii)		- L	13.2	10.7	11.0		12.9	12.0	11.4		
G.E. 12 A.H.	111 3		_15 _25	0 .	14.2			13.0	12.1	11.9	12.2 12.2	12.9	12.0	1, 2		
THE 716114	125 83	î	25	25	15.2			11.7	8,70	6.13	520	4.80	4.40	5.10		
	97. 86	3	40	25	149			5 €0	5 86 3.70	7.90	8 30	6 80	5.50	5.70		
	100	#	15	50/40		8.30	(20 <u>5</u>)	<u>6.3</u> 0		4.00	3.50 5.10	2.90 4.00	230	4.40		· · · · · · · · · · · · · · · · · · ·
	100		25	50/40	_?.00	9.80	(<u>70)</u>	3.80	4.70 _	.570	3.10	4.00	4.00			
		1														
Gould	84 1	.•5	15.	0	23.1			27.7	<u> 265</u>	24.2.	24 <u>7</u> _	21.7	ე <u>გ.3</u>	19,8		
20 A.H.	98 1.04		25	0 25	33.1			18.5	15.2	18.7	17.2	17.5	13.5	13,5		2980
	118	ļ	25 25 40	25 25	25.0			23.3	14.0							2937
	112	į	15	50/110	967	6 83	(183)	15.7	15.3	13.5	12.4					5213
	126	1	25	50/40	9.00	13.9	(1376)	15.2								1574
Gould	80 3	,	2.5	0	22.0			23.2	21.5	20.3	25. 8	19.7	/8 3	16.7		
30 Y'H'	94	' i	25	ō	23.0		·····	17.5	25.0	18.7	18.8	16 8	17.0	15.8		
	105	İ	25	25	23.3			23.5	33.7	21.3	21.2	20.7		20.5		
	打马,	[24.8		· •	24.7	21.7		f	12.3				1793
	108	1	_15 _25	50/40 50/40	9.50 9.33	9.67	(["] 47) (756)	8:13**	14.8	16.8	12.5	12.3				903
	بدحا	, [ر .۔	757 72	-7,53	7,50	(106)	, , , , ,								4.83
							*		-	•					'	

^{*} Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.
** Still at 50° C.

=	# 	725.37	<i>E</i> :	TATE TO VE	-1100T/ (**************************************	CTED ON	7.7.E.C.T.	ソガーフェブブイ	MITHG H	MID OWE	WOTIT	OUTOU	ヘイヘドアウ			
		~	Ð			PRECO	OITICK	NING	c	APACIT	Y CHEC	ks aft	er 88-	DAY IN	TERVAL	S	Ħ
	TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE ° C	INTTIAL	* (See Note)		FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	CYCLES TO PACK FAILURE
200	Gulton	101	1.5	15	0	17.2			12.5	5.67							3631
	20 A.H.	1 -1		25	0	17 7	ļ		11.2			8.67	1				3388
		87		- 45 -	25 25	233	ļ		7.17	9.50	7.83	8.67	8.83				7763
		73 87 76 90		25 40 15 25	25 25 50/40	103	13.8	(172)	6.50	4.83	5.50	4.67	5 00	5.77			
		90		25	50/40	9.00	11-3	(65)	6.00	10.3	7.33**						4045
	Gulton	1.02	3	15		16.7			18.8	25.2	20.3	195	17.3	17.0	15.0		
	20 A.H.	1776	3	25	0	21.7		· • • • • • • • • • • • • • • • • • • •	20,7	218	19.3	17.5	15.2	15.8	13,5		
		74 88 77		25 40 15 25	25	20.3			6.17	7.17							1754
		88		_40.	25 50/40	19.8											358
7		91		<u> </u>	50/40	9.17	10.3	(71) (47)	7.33 6.67	5 33	4.83 7.67	5.33 6.83	7.17	5.00	5:17		
7				=	79/_19	'''	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>	0.07	- - 0, - ,	7.0.	9.05					<u></u> "
			1														
	Yardney 12 A.H.	57 33	2 ¹ 4	50 50	0 40	13.8			8.60								166
	TE Walla	33		50	40	13.5			12.0								210
							-										
	Gulton	79	51+	50	25	6.60			3.55	4,40	4.25	<u> ৭.০১</u>	3.50				
	б А.Н.										} -	 -			·		
										(40°C)	(40°c)						
	G.E.	93	24	50	40 ***	13.0			7.60	6.50	5.00						349
	12 A.H.			ļ)												
			:		! 1										!		
	Gulton	95	1.5	25	Q	54.6			59.6	45.4							3227
		123		25 . 15	40 _	27.9	1				L		•				

^{*} Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

** Two cells only; pack failed during capacity check.

*** Changed from 25° to 40° C ambient after 173 cycles.

			ن.	TATE TOTAL	JIOOK O	MI ACII.	T710 O14	TTUSON	K11077 7 7 01	12 (47) 22							
		~	Ð.	,	r_7			C	APACTE	Y CHECI	KS AFT	er 88-1	DAY IN	TERVAL:	3		æ
		PACK NUMBER	ORBIT FERIOD (Hours)	DEPTH OF DISCHARGE	· TEMPERATURE ° C	INITIAL PRECONDI-	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	NINTH 88 DAYS	TENTH 88 DAYS	CYCLES TO PACK FAILURE
	Sonotone (Triple Sealed) 3 A.H.	243	1.5	15	0	3 23	3.55	3.47	3.50								
	(Triple	231 203 202 226 237		25 25	0 25	2.88 3.35	3 05 1.40	2.78	2.72						····		
	s v H geereal	203		40	<u>25</u>	3.60	1.32	1.1.7									
) man.	226		15	40	3.53											
		237		25	40	3,48	1.05										
	•	ĺ					,										
	Sonotone,	175 289 92 322	1.5	25 40	-20	4.92									<u> </u>		
	(Stabis-	289			<u>-20</u>	4,96	2.92										
الم الم	(Stabis- tor) 5 A.H.	322		25 40	Ö	4,13	2.42										
70,	. ,	273		25	25	5.33	2.33										
•	•	287		40	25	5.50	3,66						<u> </u>				
		273 287 299 312		25	40	4.21	1, 88					·····					
		375		40/15	40	3 7/	1.04				,	! :					
																	
		}															
		ĺ															
				ļ]											
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		ļ			<u> </u>	 											
				ļ		ļ											
				 		 											

			А	MPERE-	HOUR C	APACIT	ies on	PRECO	NDITIO	NING A	ND CAP.	ACIŪX (CHECK (CYCLES			
_					<u> </u>				APACIT						3	, 	E
	TYPĘ	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE ° C	INITIAL PRECONDI- TIONING	FIRST 88 DAYS	SECOND 88	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXUH 88 DAYS	Seventh 88 days	EIGHTH 88 DAYS	NIMIH 88 DAYS	Tenth 88 Days	CYCLES TO PACK FAILURE
_	Gulton (Comm.) 4 A.H.	315 326 204 214 228 240		15	0 25 25 40 40	5.04 4.87 4.63 5.00 4.20 3.37	3.57 4.00 2.47 2.00 1.77 1.17	4.03 3.87 2.07 2.07 1.67	4 00 3.73 1.83 1.87 1.47	3.80 1.80 193 153 103	3.67 L 9.3 1.73 1.30	s. 83					
59	Gulton 12 A.H.	216 301 227 296 78 290		15 25 25 40 15 25	0 25 25 40 40	140 14.2 14.1 13.3 6.80	14.5 14.5 4.70 4.30 4.40	14.1 14.4 3 50 5.40 3.60	14.2 14.2 4.10 5.00 3.30 3.70				 - 				
	Gulton (HSI) 6 A.H.	213 218 238	}	25 40 25	0 25 40	7,30 _690 _500	730 300 175	7.25 3.60 2.00	La. 2 3. 30 1. 2. 7	, 	-		la mar e		-		
	Yardney (AgZn)	9	24	42	25	<u>0.4.0</u>		-				- <u>-</u>	-				57
			-						 		1		<u>.</u>				

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	===== *··.	}							ለ ነጋ ለ ለ ፒመ	ע מנודימ	KS AFT	mp 88	יייי דאיי	ייייייייייייייייייייייייייייייייייייי	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. a.ccom
	.	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE ° C	INITIAL PRECONDI- TIONING	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 P	FOURTH 88	FIFTH 88 B	SIXTH 88	SEVENTH 88 DAYS	EIGHTH 88	NINTH 88 DAYS	TENTH 88 DAYS	CYCLES TO PACK FAILURE
	Gulton (Wimbus) 5 A.H.	117 121 120 318 127 128	1.5	15 25 15 25 15 25	0 0 25 25 40 40	5.00 5.38 5.35 5.46 3.29 3.04	5.17 5.38 5.40 2.55 167 142	5.46 5.33 4.17 1.67 1.50 1.54				414 877			A ALEMAN PARTY.		
	Gulton 6 A.H. (Third elec- trode)	59 71 11 23 35 47	1.5	25 40 40 25 15 25	0 0 25 25 25 40 40	7.15 7.25 7.10 5.95 2.95 3.95	7.00 7.50 3.\5 3.85 2.25 2.10	6.20 7.00 6.20 5.20 1,60 2.05	4.3 <u>5</u> 4.00								
•	G.E. (Nimbus) 5 A.H.	103 107 106 304 113 114	1.5	15 25 15 25 25 15 25	0 0 25 25 40 40	5 42 5.21 4.67 5 58 3.67 3.83	5.08 5.50 4.13 3.58 2.42 2.25	5.38 5.46 4.13 2.54 2.25	3.50 1.83								
	G.E. 12 A.H. (Third elec- trode)	60 72 12 24 36 48	1.5	25 25 40 25/40	0 25 25 40/0	15.0 10 2 9.10 5.30 **			-								

^{*} At 40° C.

	:	1		MPERE	-HOUR	CAPACTI	IES OF	PREC	ONDITIO	NING A	IND CAL	ACITY	CHECK	CYCLES	<u> </u>		
	•		Ð					Ć	CAPACII	Y CHEC	KS AFI	ER 88-	DAY IN	TERVAL	:S		題
	TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE ° C	INTTIAL PRECONDI- TIONING	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	NINTH 88 DAYS	TENTH 88 DAYS	CYCLES TO PACK FAILURE
	Gulton	244	1.5	25 05	-20												
	(Neoprene seal	276		25 25 25	0 25	5.60											
	folded) 5.6 A.H.	242		25	40	4.39											
	Gulton	232	1.5	25	-20									-			
	(Neoprene	390		25 25 25	0	(2 -											
	seal non- folded)	230		25 25	25 40	6.30 4.90											
0/	5.6 А.н.																
*	Yardney	257 21	24	20 20	0 1	3.67	1.8.3										
	(C-3 Separator)		}	20	25 40	4.93	.76										
	5 A.H.																
	Yardney	409		20	25	5.25											
	(Radiated Separator	233		20	25	5.20						· · · · · · · · · · · · · · · · · · ·					
	5 A.H.	' .															
	Yardney	69		20	25 ·	5.38											
	(Pellon					0.50											
	Control	、												· · · · · · · · · · · · · · · · · · ·			
	Separator)	′															<u> </u>
	-																
		i			L	lt		<u> </u>		<u> </u>							

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES CAPACITY CHECKS AFTER 88-DAY INTERVALS ORBIT PERIOD PACK FAILURE TEMPERATURE °C PACK NUMBER 88 CYCLES TO DEPTH OF DISCHARGE 88 INITIAL PRECONDI-88 88 (Hours) THIRD 88 DAYS SIXTH 88 DAYS NINTH 88 TENTH 88 FIRST 88 SEVENTH DAYS TIONING SECOND DAYS EIGHTH DAYS FOURTH DAYS FIFTH 8 DAYS DAYS DAYS TYPE 29.7 609 24 Delco. 40 (Silver-Zinc) 25 A.H. Gulton 40 25 3.06 239 1.5 (Neoprene seal folded)
3.6 A.H. Yardney 185 1.5 -20 25 · (Silver-Cadimum) 197 25 0 25 25

	MFR.	CAPACITY A. H.	PACK NO.	TEMP. °C.	ORBIT PE	RIOD (HRS)	PERCENT DEPTH OF	PERCENT OF	CHARGE VOLTAGE		ES COVER		ING IN	REMAIN- PACK
		Α, Π.	63	0	DISCHARGE O.5	CHARGE	DISCHARGE 15	115	1.55°	11979	FINAL 12440	DIFFERENCE 461	,	FINAL 10
			64	Ö	"	"	25 25	' H	"	11957	12414	457	10	10
			15	25	11	11	25	125	1.49	77727	FAILED	/5/	70	,,,
1			16	25	ii	şf	40	/1	"		FAILED	, , ,		
			39	40	1)	11	15	160	1.45		FAILED			
ı	G.E.	3 -	40	40	11	1)	25	17	1.41 .		FAILED		•	
-	(0000	_	67	0	*11	2.5	15	115 .	1.55	5815	5994	179	10	10
	/ pages	ر ٠ ،	68	O	15	11	2 5	1.7	11	5872	6079	207	10	10
١	\~~ /b		19	25	11	5.0	25	125	1,49	5847	6054	207	10	10
١			20	25	/s	11	40	11	11		FAILEd			
\setminus	`		43	40	11	• 1	15	160	1.45		FAILED			
꾀			44	40	11	11	25	n))		FAILED			
			51	0	н	1.0	15	_115	1.55	11996	12457	455	10	10
			<i>5</i> 2	0	11	11	:25	11	17	11666	12125	457	5	5
			3	25	11	11	25	125	1.49		FAILED			
			4	25	1)	11	.40	14	11		FAILED			
		3.5	27	40	13	11	15	160	1,45		FAILED			
1	Gould	<i>J.</i> , <i>J</i>	28	40	11	. 11	25	11	, 11		FAILED			
	/pages 1		<i>5</i> 5	0	<u>tı</u>	2.5	15	115	1,55	5865	6072	207.	10	10
١	(pages 17-80)	j	56	0	11	11	25	17	11	5838	6045	207	10	10
	1.00/		ク	25	11	tı	25	125	. 1.49	•	FAILEd			
-			8	25	1)	1)	40	11	17		FAILED			
			31	40	11	n n	15	160	1.45		FAILED			
l			32	40	1)	Ű.	25	11.	1.41		FAILED			

MFR.	CAPACITY A. H.	PACK NO.	TEMP.	ORBIT PE	RIOD (HRS.) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF	CHARGE VOLTAGE LIMIT	CYCI	ES COVER	ED DIFFERENCE	CELLS	REMAIN-
		49	0	0.5	1.0	15	115		1/582	12052	470	8	8
		50	0	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	1.0	15 25	. 113 . 11	1,55	11710	12069	359	10	10
		/	25	11	11	25	125	1.49	11362	117 45	383	7	7
-		2	25	11	ŧı.	40	11	11	7,002	FAILED			
ļ		25	40	11	ŧ1	15	160	1.45		FAILED			
	سبر	26	40	11	ti	25	11	11		FAILED			,
SONOTONE	5 -	<i>5</i> 3	ව	11	2.5	15	115	1.55	573/	5938	207	10	10
/pages \		54	0	11	łı	25	11	17	575/	5919	168	10	10
81-87		5	25	11	11	25	125	1,49	5574	5782	208	8	8.
\		6	25	1)	10	40	H	17		FAILED			
		29	40	11	19	15	160	1.45	5488	5604	116	6	.6
		30	40	1)	11	25	y	17.		FAILED			
		61	0	t)	1.0	15	115	1.55		FAILED			
		62	0	lt .	f ₁	25	1)	//	11279	11742	463	6	6
		13	25	1/	, ti	25	125	1,49		FAILED			
	·	14	25	- h	t _l	40	п	11		FAILED			
		37	40	11	10	15	160	1.45		FAILED			
	~ -	38	40	и	. "	25	11	11		FAILED		TRANSPORT	
GULTON	6 -	65	0	31	2.5	15	115	1.55	5707	5851	144	9	8
/		66	0	Je .	19	25	"	"		FAILED			
1 88-89		17	25	14	11	25	125	1.49	,	FAILED			
00 0//		18	25	13	11	40	"	16		FAILED			
		41	40	1)	11	15	160	1.45	٠	FAILED			
		42	40	1)	u	25	81	14		FAILED		,	

. . .

	MFR.	CAPACITY A. H.	PACK NO.	T EMP.	ORBIT PE	RIOD (HRS) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF DECHARGE	CHARGE VOLTAGE LIMIT	CYCI	_ES_COVER	ED DIFFERENCE	ING IN	REMAIN- PACK
İ		,	110	0	0.5	1.0	15	115	1.55	11418	11834	416	5	5
			124	0	11	14	25	. //	11	11185	11601	416	5	5
			82	25	11 .	11	25	125	1-49		FAILED			ļ
			96	25	H	_ ++	40	11	11		FAHED			
			85	40	t f	LI	15	160	1.45		FAILED			
	G.E.	12 -	99 .	40	Į4	14	25	<i>31</i>	<i>t [</i>		FAILED	-		
	G. L.	<i></i>	111	0	tı .	2.5	15	115	1,55	5715	5898	183	5	5
	/pages \		125	0	tı .	10	25	11	"	5708	5891	183	5	5
1	(90-95)		<i>\$3</i>	25		1+	25	125	1,49	5721	5904	183	5	5
I	` · /		97	25	t;	1,	40	17	11		FAILED			
7			86	40	- 11	١.	15	160	1,45	5525	5709	184	5.	5
7			100	40	"	11	.25	. 11 '	17		FAILED			
١			81/	0	14	1.0	15	115	1.55	11312	11792	470	5	5
			98	0	11	t ₄	25		- 11		FAILED			
			104	25	11	٠,	25	125	1,49		FAILED			
			118	25	11	l)	40	44	11		FAILED			
			112	40	11	11	15	160	1.45		FAILED	:		
	<u> </u>	20 -	126	40	()	1+	25	′/	1,41		FAILED			
	GOULD	20	80	0	11	2,5	15	115	1,55	5661	5868	207	5	5
	/pages 1		94	0		1,	25	11	11	5525	5728	203	5	5
	GOULD (Pages 96-99)		105	25	le .	11	25	125	1.49	5463	5581	118	4	3
	V / /		119	25	13	1,	40	11	n	r	FAILEO			
ļ			108	40	п	14	15	160	1.45		FAILED			
l			122	40	71	l,	25	1/	1.41		FAILED			

	MFR.	CAPACITY	PACK NO.	TEMP.	ORBIT PE	RIOD (HRS.) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYC! INITIAL	ES COVER	ED DIFFFOERCE	ING IN	REMAIN- PACK FIHAL
			101	0	0.5.	1.0	15	115	1.55		FAILED			
			115	0	l(l)	25-	13	"		FAILED			
			73	25	Α	16	25	125	1.49		FAILED			
			87.	25	4;	lş.	40	"	ji		FAILED			
-			76	40	(†	19	15	160	1,45		FAILED			
	. [~ ~ ~	90	40	ţ,	13	25	"	11		FAILED			
G	ULTON	20	102	0	11	2.5	15	115	1.55	5489	5696	204	4	4
	ages \	•	116	0	ħ	t e	25	11	"	5331	5516	185	5	5
1/8	10-102		74	35	L1	· · · · · · · · · · · · · · · · · · ·	35	125	1.49		FAILED			
1	//		88	27.5	ξ,	**	40	ч	1/		FAILED			
			77_	40	js.	13	15	160	1.45	5500	5644	144	5	4/
1_			97	40	11	11	35	11	11		FAILED			
			103	0	tı .	1.0	15	110	1.49	4314	4728	414	5	5
		-41°.	107	0	h	4,	.25			3673	4081	408	5	5
٦	E.	<i>_</i> _	106	25	11	11	15	120	٠,	4287	4748	461	_5_	5
1	L. Meus	5	30H	25	14	ķ k	25	\$1	11	3594	4051	457	4	4
	oges		113	40	"		15	130	,,	4289	4750	461	5	5
Yo	3-108		114	40	11	h	25	31	"	3563	4020	457	5	5
	İ		117	٥	1)	6 1	15	110	3)	4108	4505	397	5	5
			121	0	91	34	25	\$£	Ŋ	3675	4083	408	5	5
	outon i	5	120	25	**	tı	15	120	11	4211	4672	461	5	5
	11/505	_	318	25	SI .	4	25	u .	t ₁	3594	4051	457	5	5
6.1	4-114		127	40	11	\$1	15	130	"	4258	4671	4/13	5	5
XV	y-//y /		128	40	11	` 5 1	25	31	,,	3556	3965	409	4	4

MFR.	CAPACITY	PACK	TEMP	ORBIT PE	RIOD (HRS)	PERCENT DEPTH OF	PERCENT OF	CHARGE VOLTAGE	сус	LES COVER	ED DIFFERENCE	CELLS ING IN	REMAIN- PACK
YARDNEY	A. H. 12	No.	°C.	DISCHARGE	CHARGE	 	RECHARGE	LIMIT	INITIAL	FINAL	DIFFERENCE	INITIAL	FINAL
INKUNLI	12	57	0	1.0 .	23.0	50	*	1.50	<u></u>	FAILEO .			
		33	40	11	15	\1	*	1.50		FAILED			<u> </u>
GULTON	6	79	25	1.0	<i>2</i> 3.0	50	200	1.49		FAILED			
/page					····							.•	_
\ /													•
G.E.	12	93	25*	1.0	23.0	50	200	1.49**		FAILED			
Guron	50	95	0	0.5	1.0	25	115	1.55		FAILED	,		·
/puge /		123	40	11	11	15	160	1.45		FAILED			
()		1110					190	1.10		FAILED			-
Dirco	25	75	25	1.0.	23.0	40	;¥	1.97		FAILED			
150 x 5 1		89	25	Ч	34	11	*	ti.		FAILED	, .		
(288	25	0.5	2.5	ŧl	*	` 1 1	DIS	CONTINU	ED .	,	
\ /	(NaOH) →	198	2 <i>5</i>	11	11	11	*	l i		FAILED		-	•
D. 100	40	275	25	1.0	. 23.0	25	*	1.97	DIS	CONTINU	50	<u>;</u> ;	·
: pa , es }		,				_ 43	·		<i>D</i> 10				
<u>, , , , , , , , , , , , , , , , , , , </u>							2						
YEMORA	2 Agizn Lim-	9	25	1,0	23.0	42 (5 amps)	(500 Ma.)	1.97		FAILED			
					···				· · · · · · · · · · · · · · · · · · ·				

^{*} DOES NOT APPLY.

^{**} CHANGED TO 40°C, 1.45 V/CELL LIMIT AFTER CYCLE 173.

MFR.	CAPACITY A. H.	PACK No.	TEMP. °C.	ORBIT PE	RIOD (HRS)	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYC!	ES COVER	ED DIFLERENCE	ING IN	PACK FINAL
GULTON .	·4	315	0	0.5	1.0	15	115	1.55	8236	8538	302	5	5
/pages \		326	0	11	. 1	2 <u>5</u>	, 11	ţi	8546	9009	413	5	5
(115-120)		२०५	25	• •	(1	45	125	1.49	8402	8810	408	5	5
		214	25	i g	58	40	17	. 11	7931	8369	438	.4	4
		358	40	١١.	Ni .	15	160	1.45	8295	8703	408	5	5
		240	· 40	"	1)	25	.,	10	8329	8737	408	4_	4
GULTON	12	316	0	.,	b.	15	115	1.55	5338	5746	408	5	5
/ pages	ļ	301	0	11	16	25	115	1.55	6/30	6610	480	4	4
121-124		227	15	()	(+	25	125	1.49	5590	6003	413	5	5
		296	λ5	11	15	40	125	1,49		FAILED			
		78	40	II.	n	15	160	1.45	6085	6563	478	4	4
`		290	40		13	25	160	1.45		FAILED			
GATON	(HSI) 6	213	0	-1	ls.	25	115	1.55	5244	57/3	475	5	5
125-127		318	25	11	lı.	40	125	1.49	5235	5583	348	5	4/
/		গ্রগ্র	40	-	44	25	160	1.45	5040	5285	245	4	3
2.1 .1.1.E	3	243	0		a,	15	115	1.55	3145	3606	461	5	5
1 10:5 1	(TRIPLE STALES)	231	0	"	.,	25	115	11	3145	3606	461	5	5
128-133		203	25) ht	25	125	1.49	3304	3765	461	5	5.
*		202	25		ч	40	125	31	2983	3446	463	4	4
		226	40	''	N	15	160	1.45	3/33	3594	461	5	5
		237	40		4	25	160		3148	3564	416	5	5
						,						 	
					··· ··· ·								<u> </u>
]		<u> </u>		<u></u>			<u> </u>		<u> </u>

MER.	CAPACITY	PACK	TEMP	ÒRBIT PE	RIOD (HRS.)	PERCENT DEPTH OF	PERCENT OF	CHARGE VOLTAGE	CYCI	ES COVER	ED	ING IN	REMAIN- PACK
	A. H.	NO.	°C.	DISCHARGE	CHARGE	DISCHARGE	RECHARGE	LIMIT	INITIAL	FINAL	DIFFERENCE	INITIAL	FINAL
GULTON	6	59	0	0.5	1.0	ସ୍ଟ	******		4118	4550	432	4	4
	(THIRD	71	0	I4	si .	. 40			4185	4533	348	4	4
	,	11	25	31	51	40			. 5297	5680	383	4	4
	}	23	25	• 1	> 7	25			5282	5664	382	5	5
(pages)		35	40	**	**	15	4		3Z36	3545	349	5	5
(3 / / /		47	40	44	La,	25	-		3897	4330	433	5	5
G.E.	15	60	0	11		25		*****	1747	2180	435	5	5
, i	(THIRD	72	0	4.	1.	40			,				
	(, , , , , , , , , , , , , , , , , , ,	12	25	ч	11	25			D	15 CONT	INLED		
		24	25	14	\$1	40				15 CON			
140-141		36	40	14	44	15		***************************************		**			
770-797		48	40	**		25		*****	1089	1521	432	5	. 5
Parkette at 1	5	175	-20	11	11	25	******	***************************************	1393	1817	424	5	3
,	(STABISTOS)	289	-20	£1	11	4 C			1130	1512	391.	4	3
		92	0	ij	L Į	25			2234	2670	436	5	5"
		3.7.2	0	yı	11 ~	40.			2109	2462	354	4	4
		२ 7 3	25	1.7	1 /	25	******		2584	3000	4/6	4	3
, ,		287	25	17	. 4	40	, 			FAILED			
142-148		279	40	11	11	25	********	_	2435	2721	288	5	5
,		3/2	40	"	1 .	40	*	*****	2333	2814	481	4	4
									_				
				-	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	+ 				1		
					· - 1 · · · · · · · · · · · · · · · · · · 								
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MFR.	CAPACITY	PACK	TEMP	ORBIT PE	RIOD (HRS)	PERCENT DEPTH OF	PERCENT OF	CHARGE VOLTAGE	CYC	ES COVER	ED	ING IN	REMAIN- PACK
2/455.451/	A. H.	NO.	°C.	DISCHARGE	CHARGE		RECHARGE		INITIAL	FINAL	DIFFIRENCE	INTUAL	FINAL
YARDNEY		185	-20	0.5	1.0	25	130	1.60		, , , , , , , , , , , , , , , , , , , ,			
149	12.0	197	0	:1	11	* 11	. 3 5	1.58					
		182	25	; ,	. 1	<i>‡</i> (1 1	1.55	195	660	465	5	5
DELCO Pose	200	609	25	1.0	23.0	40	*	1,97	44	72	28	10	10
150													
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* DOES NOT APPLY

MFR.	CAPACITY A. H.	PACK NO.	TEMP.	ORBIT PE	RIOD (HRS.)	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYC!	ES COVER	ED DIFTERENCE	ING IN	REMAIN- PACK FINAL
YARDNEY		257	0	1.0	23.0	20	(35A)	1.50	129	157	28	5	5
(51-153)	5.0	409	25	Ħ	(1	311	• 11	11		FAILED			
(0, 733)	9.0	21	25	i)	u	ч	, (f	11		FAILED			
		69	25	11	11	H	e)	11	86	114	28	5	5-
		45	40	l)	41	t i	и.	11		FAILED			
	•	233	25	11	il	u r	11	11	86	114	28	5	5
GULTON	5.6	232	-20	0.5	1.0	25	115	1.55	398	859	461	5-	5-
184-161)		244	-20	11	(1)	H.S.	11	i f	398	859	461.	5	5
154-1611		200	0	11	· · · · ·	ч	` 11	11	675.	1136	461	5	5
	ι .	390	0	11	11	u .	+1	ti.	691	1154	463	5	5-
	-	276	25	11	u,	Ţ	125	1.49	804	1267	463	5	5
1		396	25	- 11	ίĨ	, u	ı ı	χt	800	1285	485	5	5
		230	40	į t	, t	11	160	1.45	908	1195	287	5	5
	,	242	40	11	7	11	11	11	913	1374	461	5	5
GULTON	3.6 .	239	25	11	į t	40	(3.ŽA)	1.48	1268	1681	413	10	10
Coulometer 162			-	<u></u>	•								
1020				-							<u></u>		
SONOTONE	5.0		25	0.5	.1.0	30	(0, 30A)		7081	7534	453	5	5
COULDMETER PAGE						,	•	`		`			
163	·												
GULTON	3.6		25	0.5	1.0	40.	60		2361	2815	454	10	9
Sherfey PAge	5.0									<u> </u>			
164	ŧ					,, ,				,			
						,	i i			<u>.</u>			

* DOES NOT APPLY

•34 1•52 1•54 1•60 I•64 I•53 I•51 I•50 I•53 I•53 I•53

•35 1•52 1•55 1•60 1•64 1•52 1•51 1•51 1•51 1•53 1•53

12382 15 45

12414 • 15 • 46

PACK NO. 67 G.E. 3 A.H.	DEPTH OF DISC PERCENT OF RE		T TEMPERATURE SIT PERIOD 3 HO	· · · · · · · · · · · · · · · · · · ·
CYCLE PACK CURRENT	CELI	L VOLTAGES		
NO. VOLTAGE 0.90 I	2 3	4 5 6	7 8 9	10
5846 12 49 89 1	26 1.26 1.23	1.26 1.26 1.25	1.25 1.25 1.25	1.24 END OF
5885 12 10 90 1	20 1.21 1.21	1 • 23 1 • 21 1 • 21	1.22 1.21 1.21	1.21 DISCHARGE
5916 12 50 90 19	25 1.25 1.23	1 • 25 1 • 26 1 • 25	1.25 1.23 1.26	1 • 2 4
5956 • 12 • 43 • 90 1 •	24 1.25 1.23	1 • 25 1 • 26 1 • 24	1.25 1.23 1.25	1 • 23
5994 • 12 • 43 • 90 1 •	25 1.25 1.23	1 • 25 1 • 26 1 • 24	1.25 1.23 1.24	1 • 24
•21				
5846 15 15 .08 1	55 1.49 1.47	1.57 1.52 1.52	1.52 1.50 1.49	I .52 END OF
5885 15 01 09 1	50 1.51 1.51	1.56 1.53 1.53	1 • 48 1 • 54 1 • 39	1.47 CHARGE
5916 • 15 • 31 • 11 1 •	55 1.49 1.49	1.56 1.55 1.54	1.53 1.52 1.51	1 • 54
5956 15 39 07 1	56 1.47 1.47	1.58 1.57 1.55	1.54 1.52 1.54	1 • 55
5994 15 40 10 1	57 1.48 1.49	1.57 1.56 1.56	1.54 1.54 1.51	1 • 56



PACK NO. 68 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS G.E. 3 A.H. CYCLE PACK CURRENT CELL VOLTAGES NO. VOLTAGE 1.50 1 2 3 4 5 6 7 8 9 10 5902. 12.17 1.51 1.22 1.23 1.22 1.24 1.21 1.23 1.23 1.22 1.25 1.23 END OF 5973 • 12 • 09 1 • 51 1 • 19 1 • 20 1 • 21 1 • 22 1 • 22 1 • 21 1 • 21 1 • 20 1 • 20 1 • 20 6079 • 12 • 03 1 • 52 1 • 19 1 • 20 1 • 21 1 • 22 1 • 21 1 • 21 1 • 20 1 • 19 1 • 20 .34 5902. 15.60 . .25 1.60 1.62 1.58 1.54 1.59 1.59 1.55 1.59 1.42 1.52 END OF •12 1•50 1•51 1•50 1•55 1•52 1•52 1•48 1•54 1•39 1•47 CHARGE 5942 • 14 • 98 5973 • 15 • 41 •17 1•55 1•58 1•57 1•56 1•57 1•58 1•51 1•57 1•40 1•49 6013 • 15 • 30° •15 1•54 1•55 1•56 1•58 i•55.i•56 i•50 1•57 1•40 l•48 6051 • 15 • 24 •15 1•53 1•53 1•54 1•58 1•54 1•54 1•50 1•55 1•40 1•49 •17 1•59 1•61 1•57 1•64 1•59 1•59 1•54 1•61 1•39 1•51

P	ACK NO	19			DEPTH	OF DIS	CHARGE	25	TE.	ST TE	MPERA	TURE	25 C	
G	•E• 3	A • H •			PERCEN	IT OF R	ECHARG	SE 125	OR	BIT P	ERIOD	3 HO	URS	
								- 1 C - C						
C	YCLE	PACK (CURRENT				LL VOL				_			
N	0• V	OL,TAGE	1.50	1	2	3	4	5	6	7	8	9	1 0	
	5877•	11.93	1 • 51	1 • 2 1	1.22	1 • 20	1 • 22	1•19	1.21	1 • 20	1 • 20	1 • 20	1.20	END OF
	5917	11.95	1.52	1.20		1.20		1 • 20	1.20	1 • 19	1 • 19	1.19	1 • 19	DISCHARGE
	· - ·	11.90		1 • 19		1.20		1.20						
	5988•	11.90	1.50	1 • 19	1.19	1.20	1.20	1 • 20	1.19	1.19	1 • 18	1.18	1.18	
	6026	11.88	1.51	1 • 19	1.20	1.19	1.20	1 • 19	1.19	1 • 18	1 • 18	.1.18	1.18	
	6054•	11.91	1.51	1 • 19	1.20	1.20	1.20	1 • 20	1.19	1 • 18	1 • 18	1.18	1 • 1 9	
			•38											
	5877.	14.51	•37	1 • 47	1.47	1.45	1 • 43	1.46	1 • 45	1 • 44	1 • 44	1 • 44	1.45	END OF
	5917.	14.56	•37	1 • 47	1 • 47	1 • 45	1 • 43	1 • 46	1.46	1 • 44	1 • 45	1.45	1.46	CHARGE
	5948.	14.48	•37	1 • 46	1 • 46	1 • 46	1.43	1 • 46	1 • 44	1 • 43	1 • 43	1 • 44	1 • 4 4	
	5988•	14.43	• 37	1 • 45	1 • 46	1 • 45	1.42	1 • 46	1 • 44	1 • 43	1 • 43	1 • 43	1.43	
11	6026•	14.42	•37	1 • 45	1.46	1.45	1 • 43	1 • 4 4	1 • 44	1 • 43	1 • 43	1 • 43	1 • 4 4	
0%		14.53	•38	1 • 46	1 • 47	1 • 46	1 • 43	1 • 46	1 • 45	1 • 44	1 • 4 4	1 • 44	1 • 45	

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PACK NO. 51 DEPTH OF DISCHARGE 15 TEST TEMPERATURE O C GOULD 3.5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE	PACK C	URRENT			CE	LL VOL	TAGES						
	OLTAGE		1	2	3	4	5	6	7	8	9	10	
12024.	12.47	1 • 04	1 • 25	1 • 24	1 • 21	1 • 26	1 . 2/	1.25	1.23	1.28	1.27	1 • 25	END OF
	12.47		1 • 25	1.24	1.22	1.25			1.24				DISCHARGE
12088		1 • 03	1 • 25	1.24	1.21	1.26			1.24			-	DISCHARGE
12139•		1 • 05	1 + 25	1.24	1.22	1 • 27			1 • 24				
	12.38		1 + 25	1.24	1.23	1.28			1.24				
12203.		1 • 04	1 • 24	1.24	1.22	1.27			1.23			•	
12248•		1 • 05	1 • 24	1.23	1 • 22	1.26			1 • 23				
12283.		1.04	1 • 24	1.23	1.22	1.26			1.23				
12312•		1.04	1 • 24	1.23	1.22	1 • 26			1.23				
120,20	. t	1 • 0 -	1 - La -		A - t t	1020	1	10				,	
12392•	12.31	1.05	1 • 24	1 • 24	1 • 22	1 • 25	1 • 24	1.21	1.23	1 • 2 1	1.21	1 • 26	
12425.		1.05	1 • 24	1.23	1 • 22	1 • 26			1 • 23				
12457.		1 • 04	1 • 24	1 • 24	1 • 2 1	1 • 25							
		• 60											
12024.	15.33	• 56	1.56	1 • 58	1 • 57	1 • 47	1.57	1.55	1.56	1.53	1.46	1 • 45	END OF
12061.	15.30	• 57	1 • 56	1.59	1.58	1 • 46	1.58	1.53	1.56	1 • 60	1.43	1 • 4 1	CHARGE
12088.	15.29	• 56	1 • 57	1.59	1.58	1 • 48	1.61	1.50	1 • 56	1.57	1 • 43	1 • 4 1	
12139•	15.38	• 62	1.56	1 • 59	1.59	1 • 49	1.59	1.56	1.56	1 • 58	1.45	1 • 4 1	
12168.	15.42	• 63	1.56	1.59	1.60	1.49	1.58	1.58	1.60	1 • 62	1.46	1 • 4 1	
12203.	15.20	• 59	1 • 56	1.58	1.59	1.47	1.57	1 • 46	1 • 55	1.54	1 • 44	1 • 4 1	
12248 •	15.23	• 60	1 • 56	1.58	1 • 59	1 • 47	1.54	1 • 45	1 • 55	1 • 54	1 • 44	1 • 46	
12283.	15.26	•62	1 • 56	1.59	1 • 60	1 • 48	1.54	1 • 46	1 • 56	1 • 49	1.44	1.51	
12312.	15.22	•62	1 • 56	1.58	1 • 60	1 • 48	1.56	1.48	1.56	1 • 45	1.44	1.49	
•													
12392•	15.18	• 62	1 • 56	1.59	1.60	1 • 47	1.59	1.46	1 • 56	1 • 4 4	1.43	1 • 46	
12425.	15•18	• 63	1 • 56	1.59	1 • 60	I • 48			1 • 56				
12457•	15.25	•61	1 • 56	1 • 59	1 • 59	1 • 47	1.60	1 • 48	1 • 56	1 • 44	1.46	1 • 47	

CYCLE F	PACK (URRENT			CE	LL VOL	TAGES						•
NO. VC	LTAGE	1 • 75	1	2	3	4	5	6	7	8	9	10	
11690•	5.94	1 • 74	1 • 20	1.21	•00	1.20	1.20	1 • 19	•00	•00	•00	•00	END OF
11754 •	5.98	1.73	1 • 21	1.22	• 00	1.20	1.21	1.20	•00	•00	•00	•00	DISCHARGE
11805.	5•93	1.74	1 • 19	1.20	• 00	1.20	1.21	1.20	•00	•00	•00	•00	
11835•	5•95	1.72	1 • 19	1.21	• 00	1.20	1.21	1.20	•00	•00	•00	•00	
11873.	5.93	1.74	1 • 18	1.20	•00	1.19	1.21	1.19	•00	•00	•00	•00	
11914.	5•93	1.74	1 • 18	1.20	• 00	1.19	1.21	1.19	•00	•00	•00	•00	
11949.	5.91	1.76	1 • 18	1.20	•00	1 • 19	1.21	1.19	•00	•00	•00	•00	
11978.	5•92	1.76	1 • 18	1.19	•00	1.19	1.21	1.19	• 00	•00	•00	•00	
12029.	5•93	1.74	1 • 18	1.21	•00	1 • 19	1.21	1.19	•00	•00	•00	•00	
12066 •	5•92	1.73	1 • 19	1.20	•00	1 • 19	1 • 20	1 • 1 9	• 00	• 00	•00	•00	
12091.	5.93	1.75	1 • 19	1.20	•00	1 • 19	1 • 20	1.19	• 00	•00	•00	•00	
12123•	5.92	1.76	1 • 18	1.21	∔ 00	1 • 19	1 • 20	1.19	•00	•00	•00	•00	
		1 • 00					•						
11690.	7.69	•47	1.50	1.53	•00	1 • 59	1 • 55	1.56	• 00	•00	• 00	•00	EN. OF
11754 •	7.93	•68	1 • 56	1.60	•00	1.62	1.59		• 00	•00	•00	•00	CHARGE
11805.	7.77	•58	1 • 49	1.54	•00	1.61	1.58	1.59	• 00	•00	•00	•00	
11835•	7.78	• 59	1 • 49	1.55	•00	1.61	1 • 58	1.59	•00	•00	•00	•00	
11873.	7.71	• 59	1 • 49	1.53	•00	1 • 61	1 • 58	1.59	•00	•00	•00	•00	
11914.	7.83	•62	1 • 50	1.57	•00	1.61	1.59	1.59	• 00	•00	•00	•00	
11949•	7.81	•62	1.50	1.55	•00	1 • 62	1 • 59	1.59	•00	•00	•00	•00	
11978.	7.80	•67	1 • 50	1.53	•00	1 • 62	1.59	I • 60	•00	•00	•00	•00	
12029•	7.86	• 65	1 • 50	1.58	•00	1.62	1.59	1.60	• 00	•00	•00	• 00	
12066•	7•83	•66	1 • 52	1.53	•00	1 • 62	1 • 59	1.60	• 00	•00	•00	•00	
12091.	7 • 85	• 70	1 • 53	1.54	•00	i •62	1.59	1.60	•00	•00	•00	•00	
12123.	7.87	•67	1.51	1.59	•00	1.62	1 • 59	1.60	•00	•00	•00	•00	

		D• 56 3•5 A•H	•		DEPTH PERCEN		SCHARGE RECHARG		•		MPERA ERIOD			
С	YCLE	PACK (CURRENT			CE	LL VOL	TAGES			1	,		
Ν	0.	/OLTAGE	1•75	1	2	3	4	. 5	6	7	8	9	10	
	5869	12.14	1.78	1 • 22	1.22	1.22	1.22	1.21	1.21	1.21	1 • 21	1.21	1.21	END OF
	5908	12-11	1 • 77	1.21	1.22	1.22	1 • 22	1.21	1.20	1.21	1 • 2 1	1.20	1.21	DISCHARGE
	5939	12.08	1.78	1.21	1.21	1.22	1.22	1 • 21	1.20	1.20	1 • 20	1.20	1.20	
	5979	12.05	1.77	1.20	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.20	1.20	
	6017	12.11	1.76	1.20	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.22	1.20	
	6045	12.03	1.77	1 • 20	1.21	1 • 21	1 • 21	1.21	1 • 19	1 • 20	1 • 20	1 • 20	1.20	
			• 40											
	5869	15.55	• 3.3	1 • 55	1.56	1.53	1.59	1.56	1 • 55	1 • 55	1 • 54	1 • 55	1.55	END OF
	5908	15.53	• 35	1.55	1.56	1.53	1.59	1 • 56	1.55	1 • 55	1 • 5 4	1.55	1.55	CHARGE
	5939	15.53	• 35	1 • 55	1.56	1.53	1.58	1.57	1.55	1.54	1.53	1.54	1.55	
	5979	15.54	• 34	1 • 55	1.56	1 • 52	1 • 59	1 • 57	1.55	1 • 54	1 • 5 3	1.54	1.55	
11	6017	15.50	•35	1 • 55	1.56	1.51	1.58	1 • 56	1.55	1.53	1.54	1 • 55	1.55	
9	6045	15.55	•33	1 • 55	1.56	1.52	1.60	1.57						

DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C PACK NO. 55 GOULD 3.5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS CYCLE PACK CURRENT CELL VOLTAGES 6 7 8 NO. VOLTAGE 1.05 1 2 3 4 5 9 10 1.25 1.26 1.25 1.24 1.24 1.23 1.24 1.24 1.24 1.24 DISCHARGE 5935 12 43 1 07 5966. 12.39 1.07 1.24 1.25 1.25 1.23 1.24 1.23 1.23 1.23 1.23 1.23 6006 12 38 1 05 1 • 24 1.24 1.25 1.24 1.24 1.23 1.23 1.23 1.24 1.23 6072 • 12 • 38 1 • 04 1.24 1.25 1.25 1.24 1.24 1.23 1.23 1.23 1.23 1.23 .24 5895 • 15 • 03 •14 1•52 1•52 1•50 1•52 1•51 1•50 1•50 1•50 1•49 1•48 END OF •24 1•53 1•55 1•53 1•54 1•53 1•52 1•52 1•51 1•50 5935 15 24 6006 15 23 ·24 1·53 1·54 1·53 1·53 1·54 1·51 1·51 1·50 1·50 6072 • 15 • 27 ·24 1·53 1·56 1·53 1·54 1·54 1·52 1·51 1·52 1·51 1·50

PACK NO. 49 SONOTONE 5 A.H. DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN•

CYCLE	PACK (CURRENT			CE	LL VOL	TAGES				,		
NO.	VOLTAGE	1.50	1	2	3	4	5	6	7	8	9	10	
				_									
11618			1 • 22	1.22	• 00	1.21			1 • 24			1.23	END OF
11644		1 • 54	1 • 20	1.20	• 00	1.20			1.22			1.21	DISCHARGE
11682	• 9•59	1.52	1 • 1 9	1.20	• 00	1 • 19			1 • 22			1.21	
11730		1.51	1 • 22	1.23	• O 1	1 • 22			1.24			1.23	
11756	• 9•80	1.51	1 • 22	1 • 22	• 0 1	1 • 22			1 • 24			1.23	
11794	• 9•79	1 • 49	1 • 2 1	1.22	• 0 1	1.21			1 • 24			1.23	
11842	• 9•76	1.53	1 • 2 1	1.21	• 00	1.21			1 • 24			1.23	
11874	9 • 75	1 • 50	1 • 21	1 • 22	• O 1	1.21			1 • 24			1.23	
11906	• 9•74	1.51	1 • 21	1.21	•01	1.21	1 • 22	1.21	1 • 23	1 • 23		1.23	
11954	• 9•73	1.50	1 • 21	1.22	• 00	1 • 20	1 • 22	1 • 22	1 • 23	1 • 23		i•22	
11986	9.74	1 • 50	1 • 2 1	1.22	• 0 1	1 • 21	1 • 21	1.23	1 • 24	1 • 23	•00	1.23	
12020	• 9•72	1.50	1 • 21	1.22	• O 1	1.20	1.21	1.21	1.23	1.23	•00	1.23	
12052	9.74	1 • 50	1 • 2 1	1.22	• 00	1 • 20	1 • 22	1 • 23	1.23	1 • 23	•00	1.22	•
		•86							_				
	• 12•36	• 41	1 • 58	1.57	• 00	1 • 54			1.52			1.53	END OF
	• 11•84	• 45	1 • 49	1.50	• 00	1•49			1 • 47			1 • 47	CHARGE
11682	 11.97 	• 53	1 • 52	1 • 52	•00	1 • 5 1			1 • 49			1.48	
11730	• 12•42	• 49	1 • 57	1 • 55	• 0 1	1 • 55			1 • 55			1.54	
11756	• 12•44	• 5 1	1 • 57	1 • 54	• 0 1	1 • 55	1.53	1.61	1 • 55	1 • 54	•00	1.54	
11794	• 12•42	• 53	1 • 56	1.54	• 00	1 • 56	1 • 54	1.57	1 • 55	1 • 54	•00	1.53	
11842	• 12•44	• 56	1 • 57	1.54	• 0 1	1 • 57	1 • 55	1.54	1 • 56	1 • 55	•00	1 • 54	
11874	. 12.42	•57	1 • 57	1.54	• 0 1	1.57	1 • 55	1.51	1 • 56	1 • 56	•00	1.55	
11906	. 12.41	•60	1 • 57	1 • 55	• 0 1	1 • 57	1 • 55	1.49	1 • 56	1 • 56	•00	1 • 55	
11954	• 12•45	• 59	1.57	1 • 55	+00	1 • 56	1 • 55	1, • 57	1 • 56	1 • 55	•00	1 • 54	
11986	. 12.45	•57	1 • 57	1 • 55	• 0 1	1.57	1.54	1.56	1 • 56	1 • 55	•00	1.55	
12020	. 12.45	•61	1.57	1 • 55	•01	1.57	1 • 56	1.52	1.57	1 • 56	•00	1.55	
12052	12-48	• 60	1 • 56	1.55	•00	1 • 56	1 • 55	1.60	1 • 55	1 • 55	•00	1 • 54	



PACK NO. 50 . DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN. SONOTONE 5 A.H. CYCLE PACK CURRENT CELL VOLTAGES 2 ' 3 ' 4 5 7 8 9 10 NO. VOLTAGE 2.50 1 6 END OF •00 1•19 1•19 1•19 1•19 1•18 11739 • 11 • 59 2 • 50 1 • 09 1 • 20 1 • 15 1 • 11 DISCHARGE 1 • 1 1 •00 1•19 1•19 1•19 1•19 1•18 11774 • 11 • 61 2 • 49 1 • 10 1 • 20 1 • 16 1.19 1.15 1.11 •00 1•19 1•19 1•19 1•19 1•18 11800 • 11 • 57 2 • 49 1 • 09 .00 1.18 1.18 1.18 1.18 1.17 11853 • 11 • 52 2 • 50 1 • 08 1.19 1 • 15 1 • 10 •00 1•18 1•19 1•18 1•18 1•17 11877 11 53 2 51 1.08 1.19 1.15 1.10 11917 11 52 2 51 1 • 07 1.18 1 • 15 1 • 1 0 •00 1•18 1•18 1•18 1•18 1•17 •00 1•18 1•18 1•18 1•18 1•17 1 • 15 1 • 09 11963 11 50 2 50 1.07 1.18 .00 1.18 1.18 1.18 1.18 1.17 1 • 15 1.09 11997 • 11 • 51 2 • 49 1.07 1.18 1.15 1.10 •00 1•18 1•18 1•18 1•18 1•17 12027 11 49 2 49 1 • 07 1.18 1 • 16 1 • 12 ·00 1·19 1·19 1·19 1·19 1·18 12069 10 45 2 49 1 • 10 1 • 20 1 • 44 .00 1.55 1.48 1.57 1.49 1.65 END OF 11739 • 15 • 55 •63 1.59 1.49 1.57 1.56 •00 1•57 1•50 1•60 1•50 l•68 CHARGE 1 • 56 1 • 55 11774 • 15 • 59 • 65 1 • 57 1.51 1 • 55 1 • 55 •00 1•56 1•50 1•59 1•50 1•68 11800 • 15 • 57 • 65 1 • 56 1.51 •00 1•55 1•49 1•57 1•50 1•67 1 • 54 11853 • 15 • 47 • 63 1 • 55 1.50 1 • 54 ·00 1·55 1·49 1·57 1·49 1·67 11877 • 15 • 49 1 • 55 1.50 1 • 54 1 • 54 • 64 ·00 1·55 1·48 1·56 1·49 1·67 11917 • 15 • 48 • 64 1 • 54 1 • 49 1.55 1.53 •00 1•56 1•48 1•56 1•49 1•67 1 • 55 1.53 11963 15 49 • 65 1 • 55 1.50

1.55 1.53

1 • 55 1 • 54

1 • 55 1 • 55

11997 • 15 • 51

12027 • 15 • 50

12069 15 49

• 66

• 68

80

1 • 55

1 • 55

1 • 56

1.50

1.50

1.52

·00 1·56 1·49 1·57 1·50 1·68

.00 1.57 1.49 1.57 1.50 1.68

•00 1•57 1•51 1•59 1•51 1•70

	PACK N SONOTO	0. 1 NE 5 A.H	⊣ •			OF DIS		25 E 125			MPERA ERIOD			
	CYCLE	PACK C	CURRENT			CE	LL VOL	TAGES						
		VOLTAGE		1	2	3	4	5	6	7	8	9	10	
	11375		2.48	•00	1.18	1 • 09	•00	00			1 • 1 3			END OF
	11423		2.48	•00	1.17	• 92	•00	• 00			1 • 1 i		•93	DISCHARGE
	11449		2.47	•00	1 • 15	• 88	•00	•00			1.09		•88	
	11487		2.49	•00	1 • 15	• 94	•00	•00			1.09		•96	
	11535		2.49	•00	1.15	• 96	• 00	•00			1 • 09		•87	
	11567	•	2.48	•00	1.15	•90	•00	• 00			1.09		•93	
	11599		2.49	•00	1.15	•83	•00	•00			1.08		•87	
	11647		2.48	•00	1.15	-80	•00	•00			1.08		•85	
	11679		2.48	•00	1.18	1 • 1 1	•00	•00			1 • 13			
	11713		2.48	•00	1.18	1 • 1 1	•00	•00			1 • 1 4			
	11745	• 6.06	2.46	•00	1 • 17	•80	.•00	•00	• 00	1 • 14	1 • 1 1	• 99	•85	
00			1.56											
CH	11375	8 • 96	•83	•00	1 • 46	1 • 46	•00	•00	•00	1.55	1.51	1.50	1.46	END OF
	11423		•71	•00	1.46	1.46	•00	•00			1.54		_	CHARGE
	11449		•67	•00	1.45	1 • 46	•00	•00			1.51			-,,,,,,,
	11487		•67	•00	1.44	1 • 46	•00	•00			1.50			
	11535		•68	•00	1.45	1 • 46	•00	•00			1.50			
	11567		•64	•00	1 • 45	1.46	•00	•00			1.51		-	
	11599		.69	•00	1.44	1.46	•00	• 00			1.50			
	11647		• 99	•00	1.46	1 • 47	•00	• 00			1.53			
	11679		.89	•00	1.48	1 • 49	•00	•00			1.53			
	11713		• 85	•00	1.47	1 • 48	•00	•00			1.50			
	11745		• 64	•00	1 • 4 4	1 • 44	•00	•00			1 • 46			
			'			1					•	· 		

PACK NO. 53 DEPTH OF DISCHARGE 15 TEST TEMPERATURE O C SONOTONE 5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS CELL VOLTAGES CYCLE PACK CURRENT 5 6 7 8 9 10 NO. VOLTAGE 1.50 1 2 3 4 5761. 12.40 1.50 1.23 1.25 1.25 1.27 1.24 1.26 1.26 1.25 1.27 1.24 END OF 5801 • 12 • 37 1 • 51 1 • 22 1 • 23 1 • 24 1.25 1.24 1.24 1.24 1.23 1.24 1.24 DISCHARGE 5832 • 12 • 33 1 • 51 1 • 20 1 • 22 1 • 24 1 • 24 1.25 1.24 1.23 1.22 1.23 1.23 5872 12 29 1 50 1 20 1 22 1 24 1.24 1.24 1.23 1.23 1.22 1.23 1.23 5910 12 29 1 52 1 20 1 22 1 23 1.24 1.24 1.23 1.23 1.22 1.23 1.23 • 35 5761 • 15 • 79 •20 1•52 1•57 1•58 1•64 1•61 1•55 1•63 1•65 1•60 1•43 END OF 5801 • 15 • 51 •19 1•50 1•51 1•52 1•60 1•56 1•51 1•55 1•61 1•56 1•56 CHARGE 5832 • 15 • 75 •24 1•50 1•53 1•55 1.62 1.58 1.51 1.56 1.64 1.60 1.61 5872 • 15 • 66 •18 1•48 1•49 1•53 1.62 1.58 1.49 1.61 1.65 1.57 1.60 5910 • 15 • 38 · 22 1·49 1·51 1·51 1·58 1·54 1·50 1·54 1·59 1·50 1·58

•22 1•50 1•53 1•56 1•62 1•58 1•50 1•61 1•65 1•53 1•59 `

5938 • 15 • 71

TEST TEMPERATURE O C DEPTH OF DISCHARGE 25 PACK NO. 54 PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS SONOTONE 5 A.H. CELL VOLTAGES CYCLE PACK CURRENT 7 3 4 5 8 10 NO. VOLTAGE 2.50 1 2 6 .96 1.17 1.21 1.20 1.18 1.19 1.20 1.20 END OF 5782 11 65 2 49 1 19 1 17 1.21 1.19 1.17 1.18 1.19 1.19 DISCHARGE 5813 • 11 • 59 2 • 51 1 • 18 1 • 16 • 95 1 • 16 1.15 1.21 1.18 1.17 1.18 1.19 1.19 5853 • 11 • 53 2 • 51 1 • 17 1 • 15 • 94 5891 • 11 • 53 2 • 49 1 • 18 1 • 16 •93 1 • 15 1.20 1.19 1.17 1.18 1.19 1.19 •92 1•15 1•20 1•18 1•16 1•18 1•19 1•19 5919 11 49 2 52 1 17 1 15 •58 1.50 1.55 1.52 1.54 1.57 1.61 1.65 1.52 1.52 END OF 5782 • 15 • 51 • 37. 1 • 51 1.53 1.55 1.56 1.59 1.60 1.52 1.51 CHARGE 5813. 15.50 •43 1•52 1•51 1.58 5853 • 15 • 52 •43 1•51 1•51 1.57 1 • 52 1.55 1.56 1.62 1.61 1.52 1.51 1.59 1 • 53 1.54 1.56 1.60 1.59 1.52 1.51 5891 • 15 • 49 •42 1•52 1•52 •36 1•51 1•51 1.56 1.52 1.54 1.55 1.58 1.59 1.51 1.51 5919 15 39

PACK NO SONOTON		ન•		DEPTH (PERCENT						MPERA ERIOD			
CYCLE I	PACK (CURRENT			CE	LL VOL	TAGES						
NO. V	OLTAGE	2.50	1	2	3	4	5	6	7	₿	9	10	
5605•	9.39	2.50	i • 19	•00	•00	1 • 20	1.16	1.18	1 • 19	1 • 19	1.19	1.19	END OF
5645•	9 • 42	2.50	1 • 18	.00	•00	1 • 19	1 • 18	1.18	1 • 18	1 • 18	1.18	1 • 1 7	DISCHARGE
5676•	9.33	2.51	1 • 16	•00	•00	1 • 17	1.18	1.16	1 • 17	1 • 16	1.16	1.16	
5716.	9.31	2.50	1 • 16	•00	•00	1 • 17	1 • 17	1.22	1 • 17	1 • 16	1.16	1.16	
5754•	9•27	2.51	1 • 15	•00	•00	1 • 16	1 • 17	1.15	1 • 16	1 • 15	1.16	1.15	
		• 62											
5605•	11.48	•63	1 • 43	•00	•00	1 + 43	1 • 44	1.43	1.43	1 • 43	1 • 43	1.42	END OF
5645•	11.53	•61	1 • 4 4	•00	•00	1 • 44	1 • 44	1.44	1.43	1 • 43	1.43	1.43	CHARGE
5676•	11•48	• 62	1 • 43	•00	•00	1 • 43	1 • 45	1.43	1.42	1 • 42	1.43	1.42	
5716.	11.48	•62	1 • 43	.00	•00	1.43	1 • 45	1.44	1.42	1 • 42	1.43	1.42	•
5754 •	11.46	• 60	1 • 42	•00	•00	1 • 43	1 • 4 4	1.43	1 • 42	1 • 42	1.42	1.42	



PACK NO.		1•		DEPTH PERCEN		CHARGE ECHARG		TES		IPERAT RIOD		_	
CYCLE P	ACK C	URRENT			CE	LL VOL	TAGES						
NO. VO	LTAGE	1.50	1	2	3	4	5	6	7	8	9	10	
5519•	6.31	1 • 47	•00	1.17	1 • 15	1.06	• 96	.89	•00	•00	•00	1.14	END OF
5558•	6.08	1 • 47	•00	1.16	1 • 14	1.02	•83	.84	• 00	•00	•00	1.13	DISCHARGE
5581•	5 • 25	1.20	•00	1 • 17	1 • 16	1.07	• 16	• 90	• 00	•00	•00	1 • 1 4	
5604.	5.77	1.50	•00	1.20	1 • 24	1.22	•00	•97	•00	•00	•00	1.17	
		• 48											
5519•	8 • 4 1	• 44	•00	1.42	1.39	1 • 40	1 • 40	1 • 41	•00	•00	• ò o	1.42	END OF
5558•	8.39	• 43	•00	1 • 42	1 • 40	1.40	1 • 40	1 • 4 1	•00	•00	•00	1 • 4 1	CHARGE
5581 •	8 • 4 2	• 48	•00	1.42	1 • 4 1	1 • 41	1 • 40	1.42	• 00	•00	+00	1 • 4 1	
5604.	7.08	• 48	•00	1.41	1 - 44	1.42	•00	1.42	•00	• 00	•00	1 • 4 1	

CYCLE F	PACK (CURRENT			CE	LL VOLT	AGES						
	LTAGE	3.00	1	2	3	4	5	6	7 ·	8	9	10	
11308.	7.09	3.00	1.21	1.20	1 • 17	•00		1 • 17		1 • 19		•00	END OF
11343•	7.07	2•99	1 • 21	1.20	1 • 17	•00		1 • 17		1 • 19		•00	DISCHARGE
11372•	7.06	2•99	1 • 20	1.19	1.16	•00		1 • 17		1.20		•00	
11422 •	7.04	2.99	1 • 20	1.19	1 • 17	•00		1.16	•00	1 • 18	1.18	• 00	
11446.	7.02	3.01	1.20	1.19	1 • 17	•00	•00	1 • 15	•00	1 • 17	1.18	•00	
11486•	7.02	3.00	1 • 19	1.18	1 • 17	•00	•00	1 • 15	•00	1 • 17	1.18	•00	
11532•	7.00	3.01	1 • 20	1.18	1 • 17	•00	• 00	1.15	• 00	1 • 17	1.17	• 00	
11566 •	7.00	3.00	1 • 19	1.18	1 • 17	•00	• 00	1 • 15	•00	1 • 17	1.18	•00	
11596•	7.02	2.99	1 • 20	1.18	1 • 17	•00	•00	1.15	•00	1 • 17	1.18	•00	
11646.	6.97	2.98	1 • 19	1.18	1.16	•00	•00	1-14	•00	1 • 16	1.16	•00	
11676 •	6.94	2.99	1 • 19	1 • 17	1.16	•00	• 00	1 - 14	• 00	1 • 16	1.16	• 00	
11710.	6.96	2.99	1 • 19	1.18	1.16	•00	•00	1 • 1 4	•00	1 • 16	1.16	• 00	
11742 •	6•97	2.99	1 • 19	1 • 18	1 • 16	•00	•00	1 • 1 4	•00	1 • 17	1.17	•00	
		1 • 72											
11308.	9•35	• 75	1 • 54	1.60	1 • 54	•00		1.63	• 00	1.54	1.51	•00	END OF
11343•	9•38	•71	1 • 54	1.62	1.55	•00	• 00	1.65	• 00	1 • 54	1.51	•00	CHARGE
11372 •	9.37	• 67	1 • 54	1.62	.1 ∙54	•00	•00	1.64	•00	1 • 54	1.50	* 00	
11422.	9.44	• 68	1 • 54	1.65	1.56	•00	• 00	1.66	•00	1 • 55	1.51	.00	
11446.	9•45	• 69	1 • 53	1.67	1 • 55	•00	•00	1.66	•00	1.54	1.51	•00	
11486 •	9.45	• 68	1.53	1.66	1.57	•00	•00	1.66	•00	1.54	1 • 50	• 00	
11532•	9•45	• 68	1 • 54	1.66	1 • 57	•00	•00	1.66	•00	1.54	1.50	•00	
11566 •	9.46	• 68	1.53	1.66	1.57	•00	•00	1.66	•00	1.54	1.50	•00	
11596 •	9.30	• 63	1 • 52	1.57	1.56	•00	•00	1.62	•00	1.53	1.50	•00	
11646.	9.23	∙ 64	1 • 54	1.57	1.56	•00	•00	1.58	•00	1.54	1.47	.00	
11676•	9.21	•62	1 + 54	1.57	1 • 56	•00		1.58	•00	1.54	1.47	•00	
11710.	9.23	•64	1 • 54	1.58	1.56	•00		1.58	•00	1.54	1.46	• 00	
11742 •	9.32	•62	1 • 54	1.60	1.56	•00	•00	1.61	•00	1.54	1 - 48	•00	



DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C PACK NO. 65 GULTON 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS CYCLE PACK CURRENT CELL VOLTAGES NO. VOLTAGE 1.80 1 2 3 4 5 6 7 8 9 10 .00 1.24 .00 1.19 1.25 1.24 1.13 END OF 5737 • 9 • 74 1 • 81 1 • 23 1 • 24 1 • 23 5785 9 88 1 81 1 24 1 25 1.25 •00 1.26 .00 1.21 1.23 1.25 1.18 DISCHARGE 5823 • 9 • 80 1 • 82 1 • 23 1 • 24 1 • 23 •00 1•25 •00 1•20 1•23 1•24 1•16 5851 • 9 • 80 1 • 82 1 • 24 1 • 25 1 • 24 •00 1•26 •00 1•20 1•21 1•24 1•16 • 41 5737 • 12 • 29 •31 1•59 1•60 1•53 .00 1.39 .00 1.65 1.44 1.50 1.57 END OF 5785 12 32 •42 1•55 1•56 1•54 •00 1.53 .00 1.56 1.48 1.51 1.55 CHARGE 5823 • 12 • 29 • 36 1 • 55 1 • 56 1 • 53 •00 1.51 .00 1.56 1.48 1.51 1.55 5851 • 12 • 64 • 43 1 • 62 1 • 64 1 • 57 •00 1.57 .00 1.66 1.38 1.53 1.63



	PACK NO	• 110 2 A•H•			DEPTH PERCEN			15 E 115	TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.	
	CYCLE F	PACK C	URRENT			CE	LL VOL	TAGES		
		OLTAGE	3.60	1	2	3	4	5		
	11449.	6.20	3.57	1 • 24	1.24	1 • 24	1 • 24	1 • 24		END OF
	11475.	6 • 14	3.58	1 • 23	1.23	1.22	1.23	1 • 22		DISCHARGE
	11512.	6 • 14	3∙58	1 • 24	1.24	1.24	1 • 24	1.24		
	11538.	6.21	3•59	1 • 25	1.25	1.26	1 • 25	1.25		
	11576•	6 • 19	3.60	1 • 24	1.23	1 • 23	1 • 24	1.23		
	11624•	6 • 18	3.62	1 • 25	1.23	1.22	1 • 24	1.23		
	11656.	6.18	3.57	1 • 25	1.23	1.23	1 • 24	1.22		
	11688.	6.18	3.58	1 • 25	1.23	1.24	1 • 24	1.22		
	11736.	6.17	3∙58	1 • 24	1.23	1.21	1.23	1.24		
	11768•	6 • 15	3•59	1 • 24	1.23	1.22	1 • 24	1.23		
	11802.	6 • 1 4	3.60	1 • 24	1.23	1.22	1 • 23	1.22		
	11834•	6 • 15	3.60	1 • 23	1.23	1.23	1.23	1.22		
2										
			2.07							
	11449•	7.84	1 • 49	1 • 61	1.59	1.53	1 • 56	1.53		END OF
	11475•	7.77	1 • 75	1 • 59	1 • 64	1 • 48	1 • 61	1.45		CHARGE
	11512.	7.36	2.07	1 • 47	1.51	1 • 46	1.50	1 • 45		
	11538•	7.80	1 • 17	1 • 56	1.63	1 • 54	1 • 61	1 • 49		
	11576.	7 • 77	1.36	1.56	1.62	1 • 48	1.60	1 • 50		
	11624•	7.78	1 • 40	1 • 6 1	1.62	1 • 45	1 • 60	1 • 47		
	11656.	7.78	1.39	1 • 61	1.62	1.48	1.60	1 • 46		
	11688•	7.78	1 • 44	1 • 60	1.62	1.50	1 460	1 • 46		
	11736•	7.76	1.51	1 • 60	1.60	1.46	1.63	1.54		
	11768•	7.76	1 • 49	1 • 58	1.62	1 • 45	1 • 60	1 • 49		
	11802.	7.74	1 • 55	1 • 59	1.62	1 • 46	1.60	1 • 46		
	11834•	7.74	1.61	1 • 56	1.62	1 • 46	1 • 60.	1 • 48		
						, t				

	PACK NO				DEPTH PERCEN				TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.	:
	CYCLE	PACK C	URRENT			CF.	LL VOL	TAGES		
		OLTAGE	6.00	1	2	3	4	5		
	11242.	5.72	6.03	1 • 19	1 • 1 9	1.03	1 • 18	1 • 16		END OF
	11279•	5•93	5•98	1 • 21	1.21	1 • 10	1 • 22	1 • 19		DISCHARGE
	11305•		5.99	1 • 20	1.20	1 • 09	1.21	1 • 19		
	11343•		6.02	1 • 23	1 • 24	1 • 17	1 • 24	1 • 23		
	11391•		5•96	1 • 19	1.19	1 • 09	1.20	1 • 18		
	11423•	5•81	6.05	1 • 19	1.19	1 • 09	1 • 20	1 • 19		
	11455•		6.05	1 • 19	1 • 1 9	1 • 08	1 • 20	1 • 18		
	11503.	5•79	6.02	1 • 19	1.20	1.07	1 • 19	1 • 18		
	11535•	5•79	5•95	1 • 19	1.20	1.08	1.20	1 • 18		
	11569•	5.81	5.96	1 • 19	1.20	1.08	1 • 19	1 • 19	·	
	11601.	5•81	5•93	1 • 19	1.20	1 • 08	1 • 19	1 • 19		
7										
`			3•45							
	11242.		1.21	1•57	1.51	1.60	1 • 48	1 • 57		END OF
	11279•		1.51	1 • 61	1 • 55	1.62	1•53	1.61		CHARGE
	11305.	7•90	1 • 40	1.60	1.54	1 • 64	1.53	1 • 58		
	11343•	7.80	1.27	1 • 58	1.53	1.63	1 • 5 1	1 • 59	1	
	11391•	7.82	1.22	1•58	1.52	1.64	1.50	1 • 60	•	
	11423.	7 • 82	1.25	1 • 58	1.52	1.64	1.50	1 • 60		
	11455•	7 • 82	1 • 25	1 • 57	1.52	1 • 65	1 • 50	1 • 61		
	11503•	7.82	1 • 27	1 • 57	1.52	1 • 64	1.50	1 • 61		
	11535•	7•83	1 • 22	1 • 57	1.52	1 • 66	1 • 50	1 • 61		
	11569•	7 • 84	1.20	1.57	1.52	1.65	1 • 49	1 • 61		
	11601.	7.84	1.24	1 • 56	1.52	1.65	1.50	1.61		

	PACK NO. G.E. 12				DEPTH PERCEN		CHARGE		TEST TEMPERATURE 0 C ORBIT PERIOD 3 HOURS	
(CYCLE P	ACK C	URRENT			CE	LL VOL	TAGES		
1	40. VO	LTAGE	3.60	1	2	3	4	5		
	5746•	6 • 16	3.59	1 • 23	1.23	1 • 23	1 • 23	1 • 23		END OF
	5761 •	6 • 25	3.58	1 • 26	1.26	1.26	1.27	1.25		DISCHARGE
	5792•	6.20	3.60	1 • 25	1 • 25	1 • 25	1 • 25	1 • 25		
	5832•	6•18	3.62	1 • 24	1 • 25	1 • 25	1 • 25	1 • 25		
	5870•	6 • 18	3.60	1 • 24	1.24	1 • 24	1.24	1 • 24		
	5898•	6•18	3.61	i • 24	1.24	1 • 24	1 • 24	1.23		
			•83							END OF
	5746.	7•77	• 34	1 • 60	1.53	1.53	1 • 49	I • 57		END OF
	5761 •	7.67	• 77	1 • 52	1.56	1 • 56	1 • 54	1 • 52		CHARGE
	5792•	7.83	•57	1 • 59	1.57	1.57	1 • 54	1 • 59		
	5832•	7.84	•54	1.61	1.56	1 • 57	1.53	1 • 60		
\mathscr{U}_{\star}	5870•	7.87	• 54	1 • 61	1.56	1 • 56	1.53	1.59		
1	5898•	7•85	•51	1 • 6 1	1 • 56	1 • 56	1 • 52	1 • 59		

		0 125 2 A H •					CHARGE	_	TEST TEMPERATURE 0 ORBIT PERIOD 3 HOURS	C.
·		,			,	, 0, 1				
(CYCLE	PACK	CURRENT	٢		CE	LL VOL	TAGES		
ı	NO.	VOLTAGE	6.00	1	2	3	4	5		
	5739	• 5•93	5.95	1 • 20	1.20	1 • 19	1.20	1 • 19		END OF
	5754	• 6.09	6.00	1 • 22	1.22	1.22	1.22	1 • 22		DISCHARGE
	5785	• 6.02	6.07	1.20	1.21	1.20	1.21	1 • 20		
	5825	• 6.00	6.01	1.20	1.20	1.20	1.20	1 • 20		
	5863	5.99	5.96	1.20	1.21	1.21	1.21	1.21		
	5891	• 5•98	6•00	1.20	1.21	1.21	1.21	1.21		
			1.38							
	5739	. 7.66	•26	1 • 59	1.57	1 • 58	1.50	1 • 47		END OF
	5754	. 7.84	1.21	1 • 56	1.56	1.57	1 • 55	1.59		CHARGE
•	5785	• 7.90	•99	1 • 60	1.59	1.60	1.54	1.56		
	5825	• 7.93	•89	1 • 62	1.60	1.61	1 • 54	1.55		
	5863	• 7.91	•91	1 • 62	1.61	1.63	1.55	1 • 55		
3	5891	• 7•80	•80	1 • 60	1•58	1 • 60	1 • 52	1 • 54		

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YCLE F	ACK C	URRENT			CE	LL VOL	TAGES	
	LTAGE	6.00	1	2	3	4	5	
5767•	5•74	6.10	1 • 15	1 • 15	1 • 15	1 • 1 5	1 • 13	END OF
5798•	5.69	6.03	1 • 1 4	1.14	1 • 14	1 • 1 4	1.12	DISCHARGE
5838•	5.67	6.03	1 • 13	1.14	1 • 1 4	1 • 1 4	1 • 12	
5876.	5.68	6.00	I • I 4	1 • 1 5	1.15	1.15	1.13	
5904•	5•67	6.02	1 • 13	1 • 15	1 • 15	1 • 15	1 • 13	
		1.50						
5767•	7.23	1.52	1 • 45	1.43	1 • 45	1 • 4 4	1.43	END OF
5798•	7.16	1.50	1 • 44	1 • 43	1 • 4 4	1 • 43	1 - 42	CHARGE
5838•	7.16	1.50	1 • 44	1 • 43	1 • 4 4	1 • 43	1 • 42	
5876.	7.19	1.50	1 • 45	1 • 4 4	1 • 46	1 • 45	1.43	
5904•	7.21	1.51	1 • 45	1.44	1 • 4 6	1 • 45	1 • 4 4	



PACK NO. G.E. 12						CHARGE ECHARG		TEST TEMPERATURE 40 CORBIT PERIOD 3 HOURS	.
CYCLE P	PACK C	URRENT			CE	LL VOL	TAGES		
NO. VO	LTAGE	3∙60	1	2	3	4	5		
5556•	5 • 69	3.57	1 • 16	1 • 1 4	1.13	1 • 1 4	1 • 13		END OF
5595•	5 • 68	3.54	1 • 16	1 • 1 4	1 • 1 4	1 • 15	1 • 1 4		DISCHARGE
5626•	5 • 65	3.57	1 • 15	1.13	1.13	1 • 1 4	1 • 1 4		
5681•	5.67	3.57	1 • 15	1.13	1.13	1 • 14	1 • 12		
5709•	5 • 66	3.57	1 • 15	1.12	1.13	1 • 14	1 • 12		
		. 15							
	7 10	1 • 15			1.42	1 . 42	1.42		END OF
5556•	7.10	1.16	1 • 42	1.42	1.43	1 • 42	1 • 42		
5595•	7 • 1 1	1 • 15	1 • 42	1 • 42	1 • 43	1 • 43	1 • 42		CHARGE
5626.	7.09	1.16	1 • 42	1.42	1 • 43	1 • 42	1 • 42		
5681 •	7.09	1.15	1 • 42	1 • 4 1	1 • 42	1.42	1 • 4 1		
5709	7.10	1 • 15	1.42	1 • 4 1	1.42	1 • 42	1 • 4 1		



PACK N GOULD	NO. 84 20 A.H.			DEPTH PERCEN				TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.	;
CYCLE	PACK (URRENT			CE	LL VOL	TAGES		
NO.	VOLTAGE	6.00	1	2	3	4	5		
11348	8 6 15	5•97	1 • 25	1 26	1 • 2 2	1.03	1 • 24		END OF
11383		5•94	1 • 25	1 • 26 1 • 26	1.23	1•23 1•24	1.23		
11412		5.95	1 • 25	1.25	1.23	1 • 24	1.23		DISCHARGE
11462		5.82	1 • 25	1.25	1.24	1 • 2 5	1.23		
11486		5.96	1 • 25	1.25	1.23	1 • 24	1.22		
11526		5.94	1 • 25	1.25	1.24	1.24	1.23		
11572		5.93	1 • 24	1.24	1 • 24	1.24	1.23		
11606		5.98	1 • 24	1.23	1.22	1.23	1.19		
11636		5.95	1 • 25	1.24	1.22	1.24	1 • 20		
11686		5.96	1 • 24	1.24	1.23	1.23	1.19		
11750		5.98	1 • 23	1.22	1.21	1 • 22	1.16		
11782		6.00	1.23	1.22	1.21	1.22	1 • 15		
11102	0.02	, 0.00	1 - 12	1 - 22	1 4 2 1	1 • 24	1010		
		3.45							
11348	• 7•81	1.91	1 • 61	1 • 6 1	1 • 54	1 • 55	1.52		END OF
11383		2.31	1 • 58	1.61	1.58	1.56	1.50		CHARGE
11412		2.34	1 • 57	1.59	1.57	1.56	1.52		
11462		2.43	1.57	1.58	1.58	1.56	1.52		•
11486		2.51	1.56	1.58	1.58	1.56	1.50		
11526		2.49	1.56	1.58	1 • 58	1.56	1.52		
11572		2.59	1 • 56	1.58	1.59	1.57	1 • 48		
11606		2.65	1 • 56	1.58	1.57	1.56	1.47		
11636		2.43	1 • 55	1.56	1.56	1.56	1.47		
11686		2.48	1.54	1.58	1.56	1.55	1.46		
11750		2.31	1 • 50	1.54	1.52	1.51	1 • 4 1		
				4 '					

11782 • 7 • 64 2 • 39 1 • 53 1 • 56 1 • 54 1 • 54 1 • 45

	PACK N		80 A•H•			DEPTH PERCEN		SCHARGE RECHARG		TEST TEMPERATURE 0 (ORBIT PERIOD 3 HOURS	C
											
	CYCLE	PA	ACK C	URRENT	•		CE	LL VOL	TAGES		
	NO •	VOL	TAGE	6.00	1	2	3	4	5	•	
	5691	. •	6.14	5.99	1 • 26	1.23	1 • 19	1 • 26	1 • 25		END OF
	5731	. •	6 • 1 1	6.01	1 • 25	1.23	1.19	1 • 25	1 • 25		DISCHARGE
	5762	2 •	6.10	6.04	1 • 24	1.22	1 • 19	1 • 25	1 • 25		
	5802	2 •	6.10	6.02	1 • 24	1.22	1 • 19	1 • 25	1.24		
	5840	•	6.09	6.04	1 • 24	1.22	1 • 18	1 • 25	1.24		
	5868	3 •	6 • 1 1	6.02	1 • 24	1.22	1 • 19	1 • 25	1.25		
				1.38							
	5691	•	7•75	1.18	1 • 54	1.57	1.56	1.54	1.53		END OF
	5731		7.71	1.18	1 • 54	1.57	1 • 55	1 • 54	1 • 54		CHARGE
	5762	2 •	7.71	1.21	1 • 53	1.57	1.56	1.54	1 • 54		
	5802	•	7.71	1 • 20	1 • 53	1.57	1 • 56	1 • 54	1 • 55		
\	5840	•	7.77	1.33	1.50	1.59	1.57	1 • 55	1.54		
1)	5868	3 •	7•78	1.33	1 • 53	1.60	1.57	1 • 56	1 • 56		
4			•								

PACK	NO.	94			DEPTH	OF DIS	CHARGE	25	TEST TEMPERATURE 0 C	
GOULD	20	A • H •			PERCEN	IT OF F	RECHARG		ORBIT PERIOD 3 HOURS	
CYCLE	F	PACK (CURRENT	•		CE	LL VOL	TAGES	•	
NO.	VC	LTAGE	10.00	1	2	3	4	5		
 557	3.	5•57	9.87	1 • 23	1.22	1 • 17	1 • 22	1 • 18		END OF
561	3.	5•86	10.02	1 • 20	1.20	1 • 16	1 • 18	1.16		DISCHARGE
564	4.	5.94	9.94	1 • 22	1.19	1 • 15	1.20	1.20		
568	4.	5.92	9.96	1 • 21	1.19	1 • 15	1.20	1.20		
570	0.	6.05	10.22	1 • 23	1.21	1 • 18	1 • 22	1.22		
572	8.	5.97	10.17	1 • 22	1.20	1 • 16	1.21	1 • 20		
			2.30							
557	3.	7.66	1.01	1 • 52	1.52	1.59	1 • 56	1.50		END OF
561	3.	7.88	1.46	1.52	1.51	1.67	1.64	1.54		CHARGE
564	4.	7.83	1 • 3B	1 • 53	1.53	1.58	1.60	1.58		
568	4.	7.80	1.28	1.52	1.52	1.59	1 • 60	1.55		
570	0.	7.94	1.47	1 • 54	1.53	1.63	1 • 6,0	1.62		
572	8.	7.90	1.37	1 • 53	1.52	1.63	1 • 62	1.57		
<u>.</u>										
•										



PACK NO. 105 GOULD 20 A.H.	_	DEPTH OF DISPERCENT OF RE		TEST TEMPERATURE 25 ORBIT PERIOD 3 HOURS	С
CYCLE PACK CUE	RRENT	CEI	LL VOLTAGES		
NO. VOLTAGE 1	0.00 1	2 3	4 5		
5494• 4•07 °	9•10 •00	1.16 .89	•92 1•15		END OF
5533. 3.98	9.29 .00	1.15 .85	•89 1•14		DISCHARGE
5581 • 3 • 36 •	9.89 .00	1.16 .07	1 • 10 1 • 18		
;	2.50				
5494 5 • 76 2	2.30 .00	1.49 1.43	1 • 43 1 • 44		END OF
5533. 5.78	2•18 •00	1.49 1.44	1 • 44 1 • 44		CHARGE
5581 • 5 • 69	2•43 •00	1.48 1.38	1 • 41 1 • 44		



GULTON 20 A+H+ PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS	
CYCLE PACK CURRENT CELL VOLTAGES	
NO. VOLTAGE 6.00 1 · 2 3 4 5	
5519 · 4 · 88 5 · 99 1 · 22 · 00 1 · 21 1 · 25 1 · 22 END (F
5559. 4.78 6.04 1.21 .00 1.20 1.22 1.19 DISCH	IARGE
5590 • 4 • 79 6 • 09 1 • 20 • 00 1 • 20 1 • 23 1 • 21	
5630 • 4 • 79 6 • 05 1 • 20 • 00 1 • 20 1 • 22 1 • 20	
5668 4 • 77 6 • 10 1 • 20 • 00 1 • 19 1 • 22 1 • 19	
5696. 4.85 6.04 1.21 .00 1.21 1.24 1.22	
:	
1.38	
5519 · 6 · 25 1 · 08 1 · 54 · 00 1 · 54 1 · 50 1 · 52)F
5559. 6.05 1.16 1.57 .00 1.56 1.46 1.47 CHARG	E
5590 • 6 • 03 • 91 1 • 50 • 00 1 • 54 1 • 48 1 • 50	
5630· 5·94 ·75 1·52 ·00 1·52 1·46 1·48	
5668 6 6 1 2 1 3 2 1 5 5 8 0 0 1 5 7 1 6 4 9 1 6 5 0	
5696 · 6 · 17 1 · 18 1 · 56 · 00 1 · 57 1 · 52 1 · 54	

P.	ACK N	0. 116			DEPTH	OF DIS	CHARGE	25	TEST TEMPERATURE O	С
G	ULTON	20 A.H.	•		PERCEN	IT OF F	RECHARG	E 115	ORBIT PERIOD 3 HOURS	
C	YCLE	PACK (CURRENT	•		CE	LL VOL	TAGES		
Ν	0•	VOLTAGE	10.00	1	2	3	4	5		
			0.00				1 00	4 4 4		END OF
	5361	• 5•74	9•90	1 • 17	1.19	$1 \cdot 11$	1 • 20	1 • 1 4		END OF
	5401	 5.74 	9•91	1•16	1 • 1 7	1 • 10	1 • 19	1 • 15		DISCHARGE
	5432	• 5.73	9•93	1 • 16	1.16	1 • 09	1.18	1 • 1 4		
	5472	. 5.72	9.84	1 • 1 4	1 • 1 7	1.09	1 • 18	1 • 1 4		
	5488	. 5.90	10.01	1 • 21	1.19	1.12	1.21	1 • 18		
	5516		9.90	1 • 14	1.18	1 • 10	1.20	1•16		
			2.30						•	
	5361	. 7.69		1 • 47	1 • 6 1	1 • 55	1.59	1.53		END OF
	5401		1.21	1 • 46	1.58	1 • 55	1.57	1.53		CHARGE
	5432		1.26	1 • 46	1.59	1.54	1.59	1.53		
	5472		1.25	1 • 45	1.59	1.54	1.58	1.53		
	5488		1.86	1 • 45	1.59	1 • 55	1.57	1.54		
	5516	• 7•69	1 • 49	1 • 4 1	1.60	1 • 55	1 • 58	1.53		
<i>'O.</i>										

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PACK NO. Gulton 2				DEPTH PERCEN		CHARGE ECHARG		TEST TEMPERATURE 40 CORBIT PERIOD 3 HOURS	
CYCLE P	ACK C	URRENT			CE	LL VOL	TAGES		
NO. VO	LTAGE	6•00	1	2	3	4	5		
5538•	5.92	1.89	1 • 35	•00	1.43	1 • 40	1 • 36		END OF
5578•	4.54	5.63	1 • 14	•00	1 • 17	1.16	1 • 14		DISCHARGE
5616.	4 • 57	5•59	1 • 14	•00	1 • 16	1 • 17	1 • 1'3		
5644•	4 • 51	5•58	1 • 14	•00	1 • 16	1 • 17	1 • 12		
		1.92							
5538•	5.76	1.88	1 • 40	.00	1 • 50	1 • 48	1 • 40		END OF
5578•	5.79	1.89	1 • 45	•00	1.47	1.46	1.42		CHARGE
5616•	5.91	1 • 89	1 • 4 7	•00	1 • 47	1 • 48	1 • 42		
5644•	5•84	1.92	1 • 47	•00	1 • 48	1 • 48	1.42		

	PACK NO. G.E. 5 A		IMBUS		DEPTH PERCEN		CHARGE ECHARG		TEST TEMPERATURE 0 C ORBIT PERIOD 90 MIN.	
	CYCLE F	ACK C	URRENT			CE	LL VOL	TAGES		
		LTAGE	1 • 50	1	2	3	4	5		
	4343•	6•20	1.50	1 • 25	1.25	1.25	1 • 24	1 • 26		END OF
	4378•	6.17	1 • 49	1 • 25	1.25	1.25	1.23	1 • 25		DISCHARGE
	4407•	6.16	1 • 50	1 • 24	1 • 25	1.24	1.23	1 • 25		
	4457•	6 • 1 4	1 • 50	1 • 24	1 • 24	1 • 25	1.22	1 • 25		
	4481•	6 • 14	1 • 51	1 • 23	1.24	1.24	1.22	1 • 25		
	4521 •	6 • 1 4	1.51	1 • 23	1.24	1 • 25	1.22	1 • 25		
	4567•	6 • 1 4	1.50	1 • 23	1.24	1 • 25	1 • 22	1 • 25		
	4632•	6.20	1.51	1 • 24	1.25	1 • 25	1 • 25	1 • 26		
	4662.	6.19	1.51	1.24	1.25	1.26	1.24	1 • 25		
	4696•	6.19	1 • 52	1 • 24	1 • 24	1 • 25	1 • 24	1 • 25		
	4728•	6•17	1.52	1 • 23	1 • 24	1 • 24	1 • 24	1 • 24		
\			•83							
7	4343.	7.47	• 45	1.51	1.51	1.53	1 - 45	1.50		END OF
×	4378•	7.47	• 49	1 • 5 1	1.51	1 • 54	1 • 44	1.50		CHARGE
	4407.	7.45	• 48	1 + 5 1	1.51	1.53	1 • 44	1.50		
	4457.	7.43	• 49	1 • 5 1	1.50	1 • 54	1 • 42	1 • 50		
	4481.	7.43	• 49	1.50	1.50	1.54	1.42	1.50		
	4521•	7.43	• 40	1 • 50	1.50	1.54	1 • 42	1.51		
	4567•	7.42	• 48	1.50	1.50	1.54	1 • 42	1.50		
	4632•	7.62	• 55	1 • 53	1.53	1.58	1.49	1 • 52		
	4662•	7.61	• 52	1 • 54	1.53	1.59	1 • 47	1.52		
	4696•	7•45	•43	1 • 48	1 • 47	1.52	1 • 4 1	1 • 47		
	4728•	7.43	• 45	1 • 50	1.50	1 • 54	1 • 4 4	1 • 49		

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PACK NO. 107 G.E. 5 A.H. NIMBUS				DEPTH PERCEN				TEST TEMPERATURE ORBIT PERIOD 90 N	
CYCLE PA	RENT 2•50	1	2	CE 3	LL VOL 4	TAGES 5	PSIA		
3697 • 3734 • 3812 • 3841 • 3876 • 3936 • 3987 • 4024 • 4049 • 4081 •	5.98 5.99 5.94 5.91 5.99 6.09 6.07 6.01 5.99	2.47 2.43 2.53 2.53 2.51 2.44 2.49 2.45 2.47 2.47	1 • 21 1 • 21 1 • 20 1 • 19 1 • 19 1 • 20 1 • 24 1 • 22 1 • 22 1 • 20 1 • 20	1.21 1.20 1.20 1.20 1.19 1.20 1.25 1.23 1.23 1.21	1 • 20 1 • 20 1 • 20 1 • 21 1 • 20 1 • 22 1 • 25 1 • 23 1 • 22 1 • 21 1 • 20	1 • 20 1 • 20 1 • 18 1 • 19 1 • 18 1 • 20 1 • 25 1 • 23 1 • 22 1 • 21	1.21 1.20 1.21 1.20 1.22 1.26 1.23 1.23 1.23	11.561 11.580 10.220 10.277 9.954 9.887 96.029 96.029 96.029 85.777	END OF DISCHARGE
3697. 3734. 3812. 3841. 3876. 3921. 3936. 3987. 4024. 4049. 4081.	7.45 7.45 7.49 7.45 7.45 7.41 7.83 8.09 8.05 7.44 7.42	1.38 .68 .69 .83 .75 .66 1.35 1.37 1.37	1.53 1.53 1.54 1.52 1.50 1.51 1.56 1.64 1.63 1.50	1.50 1.50 1.50 1.50 1.47 1.49 1.58 1.62 1.50	1 • 47 1 • 48 1 • 49 1 • 50 1 • 48 1 • 49 1 • 59 1 • 62 1 • 61 1 • 49 1 • 48	1 • 48 1 • 46 1 • 46 1 • 45 1 • 57 1 • 63 1 • 62 1 • 48 1 • 47	1.51 1.54 1.53 1.50 1.52 1.57 1.64 1.63 1.52	12.293 12.037 10.534 10.410 10.182 10.277 96.029 96.029 96.029 87.023 81.241	END OF CHARGE

	PACK NO. G.E. 5 A		IMBUS		DEPTH PERCEN				TEST TEMPERATURE 25 C ORBIT PERIOD 90 MIN.	
	CYCLE F	PACK C	URRENT			CE	LL VOL	TAGES		
		LTAGE	1.50	1	2	3	4	5		
	4315.	6.09	1.46	1 • 22	1.23	1.22	1.23	1.23		END OF
	4352•	6.11	1 • 45	1 • 23	1.24	1.23	1.23	1.23		DISCHARGE
	4379•	6.09	1 • 45	1 • 22	1.23	1.22	1.23	1 • 23		
	4430•	6.11	1 • 47	1 • 22	1.23	1 • 24	1.24	1.23		
	4459•	6.09	1 • 47	1 • 21	1.22	1.22	1.23	1.22		
	4494•	6.02	1.37	1 • 1 1	1.12	1 • 1 1	1 • 12	1 • 12		
	4574 •	6.06	1.49	1 • 21	1.22	1.23	1.22	1.23		
	4603.	6.07	1.48	1.21	1.22	1.23	1 • 22	1.23		
	4654 •	6.06	1.48	1.21	1.23	1.23	1.22	1.23		
	4683.	6.08	1 • 46	1.21	1.23	1.23	1.23	1.23		
	4716.	6.08	1 • 46	1.21	1.23	1.23	1.23	1.23		
	4748•	6.06	1.47	1 • 2 1	1.23	1 • 22	1 • 22	1 • 23		
			•90							
7	4315.	7 • 1 1	•92	1 • 44	1.43	1 • 4 1	1 • 43	1.42		END OF
1	4352•	7 • 14	•92	1 • 44	1.44	1.42	1 + 43	1.43		CHARGE
	4379•	7.12	•92	1 • 44	1 • 44	1 • 4 1	1 • 43	1.43		
	4430.	7.15	•90	1 • 44	1 • 44	1.43	1 • 44	1 • 44		
	4459•	7 • 17	•89	1 • 44	1.43	1 • 42	1 • 43	1.43		
	4494.	7.12	•90	1 • 43	1 • 44	1.42	. 1 • 43	1 • 4 4		
	4574•	7.20	•90	1 • 43	1.43	1.42	1.43	1 • 43		
	4603.	7.13	•91	1 • 43	1.43	1 • 43	1 • 43	1 • 4 4		
	4654•	7.12	•90	1 • 43	1 • 44	1 • 43	1 • 44	1 • 43		
	4683•	7 • 17	•89	1 • 44	1.44	1 • 44	1 • 44	1 • 4 4		
	4716.	7.07	• 59	1 • 42	1.43	1 • 4 1	1 • 42	1.42		
	4748•	7.12	• 90	1 • 43	1.44	1 • 42	1 • 43	1 • 43		
		-								

	PACK NO.	304 A•H• N	IIMBUS		DEPTH PERCEN				TEST TEMPERATURE ORBIT PERIOD 90 M	
	CYCLE PA	ACK CUR	RENT			CE	LL VOL	TAGES		
		TAGES		1	z	3	4	5	PSIA	
	3618•	5.47	2.50	1 • 14	1.13	1 • 13	•97	1 • 14	11.070	END OF
	3655.	5 • 61	2.52	1 • 15	1.15	1 • 14	1.07	1 • 14	11 • 461	DISCHARGE
	3733•	5.55	2.47	1 • 16	1.15	1.15	•99	1 • 16	11+472	_
	3762•	5.60	2.46	1 • 15	1.15	1.16	1.03	1.16	11.314	
	3797.	5.51	2.47	1 • 14	1.13	1.15	•98	1 • 15	11.060	
	3842•	5.52	2.47	1 • 15	1.14	1.15	•97	1 • 16	11.092	
	3877.	5.62	2.45	1 • 1 4	1.13	1.15	1 • 1 1	1.15	10.077	
	3906.	5.54	2.45	1 • 14	1.13	1.15	1.01	1 • 15	10.965	
	3957•	5 • 57	2.45	1 • 14	1 • 1 4	1 • 15	1.03	1.15	11.874	
	3994.	5+39	2.43	1 • 13	1.13	1 = 14	•88	1 • 14	11.821	
	4019.	5 • 83	2.46	1 • 18	1.18	1.19	1 • 1 4	1 • 19	11.631	
	4051	5.41	2.44	1 • 1 4	1.14	1.14	90	1.13	11.535	
			44,							
U,			1.50					•		
Ó	3618.	7.24	1.54	1 • 46	1 • 46	1.47	1 • 42	1.46	11 • 683	END OF
`	3655•	7.32	1.52	1 • 48	1 • 47	1.50	1 • 44	1 • 48	12.149	CHARGE
	3733•	7.28	1.53	1 • 47	1.47	1.48	1.43	1.47	12.053	OHAITOL
	3762•	7.31	1.53	1 • 47	1.47	1.50	1 • 4 4	1.48	11.937	
	3797•	7.28	1.51	1 • 46	1.46	1.50	1.43	1 • 47	11.588	
	3842	7.29	1.51	1 • 46	1.46	1.50	1 • 43	1.48	11.747	
	3877•	7 • 28	1.50	1 • 46	1.46	1.50	1 • 44	1.47	13.660	
	3906•	7.26	1.50	1 • 46	1.46	1 • 49	1 • 43	1.47	12.085	
	3957•	7.31	1.50	1 • 47	1 • 47	1.51	1 • 4 4	1•47		
									12.719	
	3994•	7.30	1.50	1 • 47	1 • 47	1.50	1 • 44	1 • 47	12.349	
	4019•	7 • 29	1.50	1 • 46	1 • 47	I • 50	1 • 43	1 • 47	12.085	
	4051•	7•28	1.50	1 • 46	1.47	1 • 49	1 • 44	1 • 47	12.085	

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PACK NO. 113 G.E. 5 A.H. N		DEPTH OF DI PERCENT OF	SCHARGE 15 RECHARGE 130	TEST TEMPERATURE 40 (ORBIT PERIOD 90 MIN.	
CYCLE PACK C	URRENT	•	ELL VOLTAGES		
NO. VOLTAGE		2 3	4 5		
1100		_	,		
4317. 5.80	1.56 1.16	1.18 1.17	1.17 1.13		END OF
4354 5 87	1 • 49 1 • 18	1.20 1.19	1 • 19 1 • 17		DISCHARGE
4381 • 5 • 89	1 • 49 1 • 18	1.20 1.18	1 • 19 1 • 16		
4432 • 5 • 92	1 • 47 1 • 19	1.20 1.19	1.19 1.17		
4461. 5.91	1 • 47 1 • 19		1•19 1•18		
4496 • 5 • 85	1.47 1.18		1.19 1.16		
4541 • 5 • 88	1.46 1.18		1.19 1.17		
4576• 5•85	1 • 47 1 • 18		1.19 1.16		
4605 5 87	1 • 47 1 • 18		1.19 1.17		
4656 5 85	1 • 47 1 • 18		1 • 18 1 • 14		
4685• 5•89	1.46 1.18		1 • 18 1 • 17		
4718 5 83	1.49 1.17	1.19 1.15	1 • 18 1 • 14		
4750 • 5 • 81	1.49 1.17	1.19 1.15	1 • 18 1 • 13		
	•98				F
4317. 7.11	•95 1•42		1.42 1.41		END OF
4354 • 7 • 11	•97 1•43		1.43 1.42		CHARGE
4381 • 7 • 11	•94 1•42	•	1.42 1.41		
4432. 7.12	1.00 1.43		1.43 1.41		
4461. 7.10	1.00 1.43		1.43 1.42		
4496 7.09	•99 1•43		1 • 43 1 • 42		
4541 • 7 • 09	•99 1•43		1.43 1.41		
4576. 7.09	•99 1•43		1.42 1.41		
4605. 7.09	•99 1•42		1.43 1.42		
4656 7 • 12	•99 1•43		1 • 42 1 • 41		
4685 7.12	•99 1•43		1.42 1.42		
4718. 7.10	•99 1•42		1.42 1.40		
4750 • 7 • 12	•99 1•43	1.43 1.41	1.42 1.41		

	PACK NO. G.E. 5	114 A•H• N	IMBUS		DEPTH PERCEN				TEST TEMPERATURE ORBIT PERIOD 90	
	CYCLE PA						LL VOL			
	NO. VOL	TAGES	2.50	1	2	3	4	5	PSIA	
	3587•	5•59	2•45	1 • 13	1 • 15	1.09	1 • 13	1 • 12	32•103	END OF
	3624 •	5.56	2.43	1 • 1 1	1.15	1.10	1.12	1.12	32 • 509	DISCHARGE
	3702	5 • 45	2.46	1.09	1.13	1.09	1 • 1 1	1.07	32 • 627	
	3731 •	5.42	2.45	1.07	1.13	1.11	1.12	1.04	33.066	
	3766	5.42	2.46	1.08	1.13	1.09	1.12	1.04	33 • 355	
	3811•	5.40	2.46	1.07	1.13	1.09	1 • 11	1 • 0 5	33 • 505	
	3846.	5.44	2.46	1.08	1.13	1.08	1 • 1 1	1.09	33.729	
	3875•	5•40	2.47	1.09	1.13	1.08	1 • 1 1	1.03	33•826	
	3963•	5.34	2.44	1.06	1.14	1.09	1.12	•98	34.232	
	3988•	5•51	2.45	1 • 09	1.14	1 • 10	1.12	1.12	34.692	
	4020.	5 • 45	2.46	1 • 06	1.13	1.08	1 • 1 1	1 • 10	34 • 928	
_										
0			1.63							
00	3587•	7.23	1.67	1 • 46	1 • 48	1 • 4 4	1 • 45	1 • 45	37•966	END OF
•	3624 •	7.22	1.67	1 • 45	1.48	1 • 4 4	1 • 44	1 • 45	37 • 624	CHARGE
	3702.	7.21	1.65	1 • 45	1.47	1 • 44	1 • 44	1 • 45	37 • 292	
	3731 •	7.20	1 • 64	1 • 44	1 • 47	1 • 45	1 • 44	1 • 45	38 • 223	
	3766•	7.21	1.65	1 • 44	1.47	1 • 45	1 • 44	1.45	38+223	
	3811•	7.21	1 • 65	1 • 44	1 • 47	1 • 45	1 • 44	1 • 45	38•437	
	3846•	7.21	1.65	1 • 44	1 • 47	1 • 45	1 • 44	1 • 45	38 • 394	
	3875•	7.21	1 • 65	1 * 45	1 • 47	1 • 44	1 + 44	1 • 45	38+683	
	3963.	7.21	1.64	1 • 44	1.48	1.45	1 • 45	1 • 45	39•036	
	3988•	7•23	1 • 65	1 • 45	1 • 48	1 • 45	1 • 44	1 • 46	39•272	
	4020•	7.23	1.65	1 • 45	1 • 48	1 • 45	1 • 45	1 • 45	39 • 475	

	PACK NO		NIMBUS		DEPTH PERCEN				TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.	
	CYCLE	PACK (CURRENT			CE	LL VOL	TAGES		
		OLT AGE	1.50	1	2	3	4	5		
	4137.		1.48	1 • 24	1.23	1.23	1 • 24	1.23		END OF
	4172		1 • 49	1 • 24	1.22	1.23	1.23	1.22		DISCHARGE
	4201 •		1 • 47	1 • 23	1.22	1.22	1.23	1 • 22		
	4251 •		1 • 48	1 • 23	1.22	1 • 22	1 • 22	1 • 22		
	4275 •		1 • 48	1 • 23	1.22	1.21	1.22	1.21		
	4315•	6.08	1 • 48	1 • 23	1.21	1 • 21	1.22	1 • 21		
	4361•	6.07	1.50	1 • 22	1.21	1.21	1.22	1 - 21		
	4395•	6.08	1.50	1 • 22	1.22	1 • 23	1.22	1 • 23		
	4425•	6.09	1.50	1 • 23	1.22	1 • 23	1 • 22	1 • 22		
	4475•	6.07	1 • 50	1 • 22	1.21	1.21	1.22	1.21		
	4505 •	6.06	1 • 49	1 • 23	1.21	1.21	1.22	1 • 2 1		
0										
0			•83							
0	4137•	7.50	• 49	1 • 50	1.49	1 • 54	1 • 49	1 • 48		END OF
	4172 • 4201 •		• 54 • 53	1 • 50 1 • 50	1 • 48 1 • 48	1 • 53 1 • 53	1 • 48 1 • 48	1 • 48 1 • 47		CHARGE
	4251 •	7.39	• 48	1 • 49	1.47	1.52	1 • 46	1 • 46		
	4275 •	7.40	• 49	1 • 48	1.47	1.51	1 • 47	1 • 4 6		
	4315•	7 • 39	• 49	1 • 48	1 • 46	1.51	1 • 46	1.46		
	4361 •		• 48	1 • 48	1 • 46	1.50	1 • 46	1 • 46		
	4395•		•50	1 • 49	1 • 47	1 • 5′2	1 • 47	1 • 48		
	4425		• 50	1 • 49	1 • 47	1 • 52	1 • 47	1 • 47		
	4475		•51	1 • 48	1 • 47	1.51	1 • 46	1 • 46		
	4505		• 49	1 • 48	1.47	1.51	1 • 46	1 • 46		

	PACK GULTO			NIMBUS		DEPTH PERCEN				TEST TEMPERATURE O ORBIT PERIOD 90 MIN	С	
(CYCLE	PA	CK CUF	RRENT			CE	LL VOL	TAGES			
			TAGES		1	2	3	4	5	PSIA		
	3699	9.	5.91	2•48	1.20	1.19	1 • 1 7	1 • 20	1 • 19	12•549		END OF
	3736	6•	5•89	2.48	1 • 18	1.19	1 • 18	1 • 19	1 • 19	12.584		DISCHARGE
	3814	4.	5.88	2 • 48	1 • 15	1.19	1 • 19	1 • 20	1 • 19	12 • 666		
	3843	3∙	5•86	2 • 48	1 • 14	1.19	1.19	1 • 19	1.20	12.748		
	3878	8•	5•86	2 • 48	1 • 14	1.18	1 • 19	1 • 19	1.20	12.795		
	3923	3∙	5•85	2 • 48	1 • 16	1 • 18	1 • 19	1 • 19	1 • 19	12.713		
	3958	8•	5.87	2.48	i • 16	1 • 18	1 • 18	1 • 19	1 • 20	12.818		
	398	7•	5•87	2.48	1 • 16	1.18	1 • 18	1 • 19	1 • 19	12.666		
	4038	8•	5•86	2.49	1 • 15	1.18	1 • 19	1 • 19	1 • 19	12.771		
	4083	3.	6.04	2.50	1 • 22	1.22	1.21	1 • 22	1.22	14.083		
\				1+38								
)	3699	9•	7.51	• 8 6	1 • 47	1.53	1.52	1.51	1.52	13.521		END OF
~	3736	5•	7.50	• 88	1 • 47	1.52	1.53	1.51	1.53	13+568		CHARGE
	3814	4•	7•48	•83	1 • 46	1.52	1.53	1.50	1.53	13.509		
	3843	3∙	7•48	84	1 • 45	1.52	1.54	1.50	1.53	13•720		
	3878	8•	7.48	•87	1 • 45	1.52	1 • 54	1.50	1.53	13 • 755		_
	3923	3•	7•48	•84	1 • 46	1.51	1 • 54	1.50	1.53	13 • 509		
	3958	₿•	7.49	•84	1 • 46	1.52	1.53	1.50	1.53	13.521		
	3987	7•	7•48	• 85	1 • 46	1.51	1.53	1 • 50	1.52	13.462		
	4038	8•	7.50	• 85	1 • 46	1.52	1.54	1.51	1.52	13.497		
	4083	3•	7•87	1.38	1 • 59	1 • 58	1.59	1.55	1 • 59	17.807		

	PACK NO		NIMBUS		DEPTH PERCEN				TEST TEMPERATURE 25 CORBIT PERIOD 90 MIN.	:
	CYCLE	PACK (CURRENT			CF	LL VOL	TAGES		
		OLTAGE	1.50	1	2	3	4	5		
	4239•		1.50	1 • 24	• 74	1.22	1.23	1.21		END OF
	4276		1 • 48	1 • 24	•73	1 • 23	1 • 24	1 • 22		DISCHARGE
	4303•	5 • 58	1 • 48	1 • 24		1.23	1 • 24	1.21		
	4354 •	5.75	1.50	1 • 25		1.23	1.24	1.22		
	4383•	5 • 60	1.50	1 • 24		1 • 24	1 • 24	1.22		
	4418•	5.74	1.37	1 • 13		$1 \cdot 11$	1.12	1.10		
	4463•	5.80	1 • 46	1 • 24	•92	1.22	1.23	1.21		
	4498•	5.80	1 • 48	1 • 23	•93	1.22	1.23	1 • 21		
	4527•	5.81	1 • 47	i • 23	•94	1.22	1.23	1.21		
	4578•	5 • 82	1 • 47	1 • 23	•94	1.22	1.23	1.21		
	4607	5 • 85	1 • 46	1 • 24	•95	1.23	1.24	1.22		
	4640•	5.81	1 • 50	1 • 23	•93	1.22	1.23	1.21		
	4672.	5.79	1.51	1 • 23	•92	1.22	1.23	1.21		
/										
/	•		•90							•
	4239	7.24	•94	1 • 43	1.49	1.43	1 • 44	1 • 44		END OF
	4276	7 • 41	•93	1 • 44	1.65	1.44	1 • 44	1 • 44		CHARGE
	4303.		•93	1 • 43		1 • 44	1 • 44	1 • 4 4		
	4354		•91	1 • 44	1.69	1.44	1 • 45	1 • 45		
	4383		•91	1 • 44	1.65	1.45	1 • 45	1 • 44		
	4418		.92	1 • 44	1.62	1.43	1 • 44	1 • 44		
	4463			1 • 44		1 • 44	1 • 45	1 • 44		
	4498		•92	1 • 43		1.43	1 • 44	1 • 44		
	4527		•92	1 • 43		1 • 43	1 • 44	1 • 4 4		
	4578		•91	1 • 44		1.46	1 • 45	1 • 4 4		
	4607		•91	1 • 4 4		1 • 44	1 • 45	1 • 45		
	4640		•92	1 • 4 4		1.43	1 • 44	1.44		
	4672		•92	1 • 43		1.43	1 • 44	1 • 44		
	4012	1 + 50	• 72	1073	1 0 1	4	. • → ¬	4 -		

	PACK NO. GULTON 5		NIMBUS		DEPTH PERCEN		CHARGE ECHARG		TEST TEMPERATURE 29	
	CYCLE PA	CK CUF	RENT			CE	LL VOL	TAGES		
	NO. VOL			1	2	3	4	5	PSIA	
	3618•	5•25	2.46	1 • 07	1.03	1 • 17	• 95	1.08	11.329	END OF
	3655 •	5.33	2.45	1.08	1.05	1.17	• 96	1 + 10	11.446	DISCHARGE
	3733.	5 • 4 4	2.48	1 • 1 1	1.10	1 • 17	1 • 00	1 • 11	11.714	
	3762•	5.46	2.46	1 • 1 1	1.11	1 • 18	1 • 0 0	1 • 1 1	11.574	
	3797•	5.36	2.47	1 • 09	1.07	1 • 18	•95	1 • 11	11+819	
	3842•	5 • 47	2.46	1 • 12	1.08	1.17	1.00	1.12	11.866	
	3877•	5.27	2.46	1 • 07	1.02	1.17	• 94	1.10	11.959	
	3906.	5.33	2.47	1 • 07	1.05	1 • 17	• 98	1 • 10	12.088	
	3957•	5.39	2.45	1.07	1.07	1.17	1 • 00	1 • 11	12.111	
	3994 •	5 • 41	2.45	1.07	1.10	1-17	1.03	1 • 09	11•948	
	4019•	5•47	2•46	1 • 10	1 • 1 1	1 • 17	1 •03	1 • 1 1	12•158	
			1.50							
	3618.	7.31	1.53	1 • 48	1.47	1.46	1 • 50	1.46	22.217	END OF
	3655•	7.34	1.52	1 • 48	1.47	1 • 47	1.50	1.47	22.381	CHARGE
/	3733.	7.33	1.51	1 • 48	1.47	1 • 47	1.50	1.47	22.848	OTATOL
1	3762.	7.36	1.50	1 • 48	1.47	1.49	1.50	1.48	21.786	
	3797.	7.33	1.51	1 • 47	1 • 46	1.48	1 • 50	1.47	21.517	
	3842•	7.33	1.51	1 • 47	1 • 46	1 • 48	1.50	1.48	22.906	
	3877•	7.32	1.51	1.47	1 • 46	1 • 47	1.50	1 • 47	22.311	
	3906.	7.31	1.51	1 • 46	1.46	1.46	1 • 49	1.47	22.953	
	3957•	7.35	1.51	1 • 47	1 • 47	1 • 48	1 • 50	1.47	22.346	
	3994 •	7•35 7•35	1.50		1.00					
	4019	7.35	1.50	1 • 48		1 • 48	1.50	1 • 47	21 • 190	
	4017	/ # QH	1.07	1 • 48	1.47	1 • 48	1 • 50	1 • 47	22+626	



	PACK NO	127			DEPTH	OF DIS	CHARGE	15	TEST TEMPERATURE 40 C	
	GULTON 5		NIMBUS		PERCEN	T OF R	RECHARG	E 130	ORBIT PERIOD 90 MIN.	
	_ , ,									
	CYCLE F	PACK	CURRENT			CE	LL VOL	TAGES		
		DLTAGE	1.50	1	2	3	4	5		
	4286•	5•72	1 • 47	1 • 15	1 • 1 4	1.15	1.18	1 • 15		END OF
	4323.	5.81	1.45	1 • 16	1.15	1 • 17	1 • 18	1•16		DISCHARGE
	4350•	5•79	1 • 45	1 • 16	1.16	1 • 17	1 • 19	1•16		
	4401 •	5•78	1 • 47	1 • 16	1.15	1 • 17	1 • 19	1 • 16		
	4430•	5.77	1 • 47	1 • 16	1 • 1 4	1 • 16	1 • 18	1 • 15		
	4465•	5•73	1 • 48	1 • 15	1.13	1 • 15	1 • 17	1 • 15		
	4510•	5 • 75	1 • 47	1 • 15	1 • 1 4	1 • 16	1 • 18	1 • 15		
	4545•	5.72	1 • 49	1 • 14	1.13	1 • 15	1 • 17	1 • 1 4		
	4574 •	5.74	1 • 47	1 • 15	1 • 1 4	1 • 15	1 • 18	i • 15		
	4625•	5•73	1 • 48	1 • 15	1 • 1 4	1 - 17	1 • 18	1 • 15		
	4654•	5 • 76	1 • 46	1 • 15	1.15	1 • 17	1•18	1•16		
	4671 •	5.92	1.50	1 • 19	1.19	1.20	1 • 20	1.19		
7	•									
C	,		• 98							
-,	4286•	7 • 16	• 99	. 1 • 44	1 • 45	1 • 42	1 • 43	1 • 43		END OF
	4323•	7.17	• 98	1 • 44	1 • 4 4	1 • 43	1 • 43	1.43		CHARGE
	4350•	7 • 16	• 98	1 • 44	1 • 45	1.42	1 • 43	1 • 43		
	4401•	7 • 16	• 98	1 • 44	1 • 44	1 • 43	1 • 43	1.43		
	4430•	7 • 16	• 98	1 • 43	1 • 4 4	1.43	1.43	1.43		
	4465•	7 • 15	•97	1 • 43	1.43	1 • 42	1.42	1.42		
	4510.	7.16	•97	1 • 43	1 • 44	1.42	1.42	1.43		
	4545•	7 • 15	•97	1 • 43	1 • 43	1 • 42	1 • 42	1 • 42		
	4574 •	7 • 15	•97	1 • 43	1.43	1 • 42	1 • 42	1 • 42		
	4625•	7 • 16	• 97	1 • 43	1 • 45	1 • 4 4	1 • 43	1 • 43		
	4654•	7 • 15	•97	1 • 43	1 • 44	1 • 44	1 • 43	1 • 43		
	4671 •	7.10	• 98	1 • 42	1.43	1 • 42	1 • 42	1 • 4 1		

	PACK NO.	• 128 5 A•H•	NIMBU	IS	DEPTH (TEST TEMPERATURE ORBIT PERIOD 90 M		
(CYCLE F	PACK C	URRENT			CE	LL VOL	TAGES			
	10 • VOF				2	3	4	5	PSIA		
	3580•	4 • 43	2.43	1 • 13	1.12	•00	1 • 15	1.08	24 • 135		END OF
	3617•	4 • 4 1	2.40	1 • 12	1.12	•00	1 • 15	1.07	24 • 1 1 3		DISCHARGE
	3695•	4 • 37	2.45	1 • 1 1	1 • 10	•00	1 • 1 4	1 • 05	24 • 045		
	3724.	4 • 38	2.44	1 • 1 1	1 • 1 0	•00	1 • 14	1.06	24 • 314		
	3759•	4.38	2.45	1 • 1 1	1 • 10	•00	1 • 1 4	1.07	24 • 628		
	3804.	4.35	2.45	1 • 10	1.10	•00	1 • 1 4	1.05	24.550		
	3839•	4 • 35	2.44	1 • 10	1.10	•00	1 • 14	1.06	24.550		
	3868.	4 • 36	2.43	1 • 10	1.10	•00	1 • 14	1 • 05	24 • 651		
	3919•	4 • 39	2.39	1 • 1 1	1 + 1 1	•00	1 • 14	1 • 06	24 • 965		
	3956•	4•42	2.17	1.12	1.12	•00	1 • 15	1.07	25 • 088		
			1.63					•			
	3580•	5.81	1.65	1 • 46	1.47	•00	1 • 45	1 • 48	30•816		END OF
1/4	3617•	5.82	1.64	1 • 46	1 • 47	•00	1 • 45	1 • 49	30 + 1 4 4	1	CHARGE
	3695•	5.82	1.63	1 • 46	1.47	•00	1 • 44	1.50	29+650		
	3724 •	5.82	1.63	1 • 45	1.46	•00	1 • 44	1.50	29•919		
	3759•	5.83	1.63	1 • 45	1.47	•00	1 • 44	1.50	30 • 457		
	3804 •	5.82	1.64	1 • 45	1.46	•00	1 • 44	1.50	30 • 401		
	3839•	5.82	1.64	1 • 45	1 • 4 7	•00	1 • 44	1.50	30+413		
	3868•	5.82	1 • 64	1 • 45	1 • 46	•00	1 • 44	1.50	30 • 525		
	3919.	5 • 83	1 • 64	1 • 45	1 • 47	•00	1 • 45	1.50	30•570		
	3956•	5 • 83	1 • 63	1 • 45		•00	1 • 44	1.50	31 • 029		
								•			

PACK NO GULTON				DEPTH PERCEN	OF DIS	CHARGE ECHARG	15 E 115	TEST TEMPERATURE O CORBIT PERIOD 90 MIN.	,
CYCLE	PACK C	URRENT			CE	LL VOL			
NO. V	/OLTAGE	1.20	1	2	3	4	5		
8267	6.24	1.17	1.26	1.26	1.25	1.25	1•25		END OF
8293	6.18	1.17	1.25	1.25	1.23	1.24	1.24		DISCHARGE
8360	6.26	1.17	1.26	1.25	1.26	1.26	1.26		
8392	6 • 24	1.17	1.25	1.25	1.26	1.25	1.25		
8472	6.21	1.17	1.25	1.25	1.25	1. 25	1.24		
8538.	6.21	1.18	1.25	1.25	1.25	1.24	1.25		
		•69							
8267	7.74	•58	1.54	1.60	1.52	1.56	1.55		END OF
8293.	7.70	• 48	1.53	1.59	1.51	1.56	1.53		CHARGE
836 -	7.76	•58	1.54	1.61	1.54	1.56	1.55		
8392	7.76	•51	1.53	1.62	1.53	1.56	1.55		
8472	7.73	• 45	1.53	1.62	1.53	1.56	1.54		
8538	7.73	•52	1.53	1.61	1.51	1.56	1.54		
,									
9									
1									

PACK NO. GULTON 4		•		DEPTH PERCEN	OF DIS			TEST TEMPERATURE 0 C ORBIT PERIOD 90 MIN.	
CYCLE P	ACK C	URRENT			CE	LL VOL	TAGES		
	LTAGE	2.00	1	2	3	4	5		
8610•	5•98	2.00	1 • 20	1.21	1•19	1+20	1 • 20		END OF DISCHARGE
8689•	5.98	1.99	1 + 20	1.21	1.20	1.20	1.20		
8713.	5.97	2.03	1 • 20	1.21	1.19	1 • 19	1 • 20		
8753.	5.97	2.00	1 • 20	1.20	1 • 20	1 • 19	1 • 20		
8833•	5.95	2.01	1 • 19	1.19	1 • 18	1 • 18	1 • 19		
8863.	5.95	2.00	1 • 20	1.20	1 • 18	1 • 19	1•19		
8913.	5•96	2.00	1 • 19	1.21	1 • 19	1 • 19	1.20		
8977•	5•96	2.00	1 • 20	1.20	1.19	1 • 19	1.19		
		1 + 15							
8610•	7.70	•62	1•56	1.53	1.54	1.56	1 • 53		END OF CHARGE
8689•	7.68	•63	1.56	1.53	1 • 55	1 • 56	1 • 53		
8713.	7.71	•66	1 • 55	1.53	1 • 54	1 • 56	1.54		
8753.	7•69	•65	1 • 55	1.52	1 • 55	1.56	1•54		
8833•	7.70	•64	1 • 55	1.52	1 • 54	1 • 55	1.52		
8863.	7.70	• 64	1 • 55	1.52	1.54	1 • 55	153		
8913.	7.71	• 65	1 • 55	1.53	1 +55	1.56	1 • 54		
8977•	7.72	•64	1 • 55	1.52	1.54	1.55	1.52		

PACK NO. 204 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C ORBIT PERIOD 90 MIN. GULTON 4 A.H. PERCENT OF RECHARGE 125 CYCLE PACK CURRENT CELL VOLTAGES VOLTAGE 2.00 3 NO • 1 2 4 5 8426. 5.61 1.99 1 • 14 1.10 1.13 1.14 1.13 END OF 8463. 5.66 1.97 1 • 14 1.13 1 • 15 DISCHARGE 1 • 15 1 • 14 8490 • 5.68 1.98 1 • 15 1.13 1 • 15 1.15 1.15 8541 • 5.67 1.98 1 • 14 1.13 1 • 15 1.15 1.15 8570 • 1.97 5 • 69 1 + 14 1.14 1.16 1.15 1.15 8605. 5.68 1.99 1 • 14 1.13 1.16 1 • 15 1.15 8650 • 5 • 65 1.98 1 • 14 1.12 1 • 15 1 • 1 4 1 • 14 8685 • 5 • 63 2.00 1 • 13 1.12 1 • 15 1 • 14 1 • 15 8716. 5.79 2.01 1 • 16 1.17 1 • 18 1.16 1.17 8753. 5.75 2.00 1 • 15 1.16 1 • 17 1 • 15 1 • 16 8778 • 5.80 1.99 1.17 1 • 18 1 • 17 1.16 1 • 17 8810. 5.76 1.98 1 • 16 1.16 1 • 17 1 • 15 1 • 16 1.25 8426 • 7.27 1.08 1 • 46 1 • 43 1 • 51 1 • 46 END OF 1 • 45 8463. 7.28 CHARGE 1.02 1 + 46 1 • 45 1 • 44 1.51 1 • 46 8490. 7.27 1.04 1.46 1.45 1.44 1 • 51 1.47 8541 • 7.28 1.04 1 • 46 1 • 45 1.44 1.51 1 • 47 8570. 7.31 1.07 1 + 46 1 • 45 1 + 45 1 + 52 1 + 48 8605. 7.28 1 • 45 1 • 51 1 . 47 1.06 1 • 46 1 • 45 8650 • 7.29 1.07 1 • 46 1 - 44 1 • 45 1.51 1 • 48 8685. 7.27 1.51 1.10 1 • 45 1 • 44 1 • 44 1 • 47 8716 • 7.29.1.10 1 • 52 1 • 47 1 + 46 1 • 45 1 • 45

8753 •

8778 •

8810.

7.28

7.33

7.32 1.31

1.05

1.26

1 • 46

1 • 47

1 • 46

1.45

1.46

1 • 46

1 • 45

1 • 45

1 • 45

1 • 52

1.53

1 • 53

1 • 47

1 • 48

1 • 47

	PACK NO.	214			DEPTH				TEST TEMPERATURE 25 C	
٠	GULTON 4	- A • H •			PERCEN	T OF F	RECHARG	E 125	ORBIT PERIOD 90 MIN.	
				_						
			URRENT				ELE VOL			
		LTAGE	3•20	1	2	3	4	5		
	7060					- 0				E-10 0E
	7960•	4 • 45	3.11	1 • 12	1.14	•00	1 • 10	1 • 1 4		END OF
	7995•	4 • 23	3.08	1.02	1.13	•00	1 • 10	1.03		DISCHARGE
	8024.	4.07	3.13	• 94	1.12	•00	1.08	• 98		
	8074.	4 • 1 1	3.16	• 94	1.12	•00	1.08	1.01		
	8098.	4.09	3.17	• 93	1 • 1 1	•00	1 • 07	1.03		
	8138.	4 • 19	3.15	1.00	1 • 1 1	•00	1.09	1.03		
	8184.	3.94	3.14	• 87	1 • 1 1	•00	1.08	• 92		
	8218•	3•85	3.15	• 71	1 • 1 1	•00	1.08	• 99		
	8248•	3•88	3.13	• 79	1 • 1 0	•00	1.07	• 94		
	8298•	3.56	3.10	• 52	1 • 1 1	• 00	1 • 10	•88		
	8303.	4 • 76	3.16	1 • 25	1.19	•00	1 • 13	1.24		
	8337•	4 • 37	3.17	1 • 15	1.12	• 00	1.09	1.05		
	8369•	4 • 24	3.17	1 • 09	1 • 1 1	•00	1.08	1.00		
1	•	•							•	
o.			.5.00							
	7960•	5.93	1.79	1 • 45	1.52	•00	1.56	1.44		END OF
	7995•	5•95	1.81	1 • 45	1.53	+00	1.57	1.44		CHARGE
	8024.	5•92	1.81	1 • 44	1.52	•00	1.57	1 • 44		
	8074•	5•95	1.74	1 • 44	1.53	•00	1 • 58	1 • 44		
	8098	5.92	1.80	1 • 44	1.52	•00	1.56	1 • 44		
	8138.	5.94	1.76	1 • 44	1.52	•00	1.57	1 • 45		
	8184.	5.92	1.83	1 • 43	1.52	•00	1.57	1 • 44		
	8218.	5•93	1.87	1 • 43	1.51	•00	1 • 57	1 • 44		
	8248•	5.94	1.74	1 • 44	1.52	+00	1.57	1 • 44		
	8298•	5.93	1 • 69	1 • 43	1.52	+00	1.57	1.44		
	8303.	5.90	1.96	1 • 47	1.49	•00	1.51	1 • 45		
	8337.	5.95	1.84	1 • 44	1.52	•00	1.58	1.43		
	- -							• -		

8369 5 94 1 84 1 44 1 52 00 1 58 1 43

	PACK NO	228			DEPTH	of DIS	CHARGE	15	TEST TEMPERATURE 40 C	
	SULTON 4				PERCEN	T OF R	ECHARG	E 160	ORBIT PERIOD 90 MIN.	
1	CYCLE !	PACK C	URRENT				LL VOL			
1	40• V	OLTAGE	1.20	1	z	3	4	5		
			_							~ o=
	8319•	5.91	1.19	1 • 20	1.20		1+17	1.19		END OF
	8356.	5.92	1.20	1 • 20	1.20		1 • 18	1 • 19		DISCHARGE
	8383•	5•95	1.18	1 • 21	1-21	1.20	1 • 19	1 • 20		
	8449•	6.04	1.18	1 • 21	1.22	1 • 22	1 • 20	1 • 22		
	8494 •	5.99	1.16	1 • 20	1.21	1.27	1 • 19	1.21		
	8529•	5.96	1.19	1 - 20	1.21	1.21	1 • 18	1.21		
	8558•	5+98	1.18		1.21	1.20	1 • 19	1.21		
	8609•	5•98	1.17	1 • 21	1.22	1.21	1 • 19	1.21		
	8646.	5•97	1 + 20	1 • 20	1.22	1.20	1.19	1 • 20		
\	8671•	5•99	1+19	1 • 20	1.22	1.21	1 • 19	1.21		
1/8	8703.	5•95	1.19	1 • 20	1.21	1.19	1 • 18	1.20		
1	7			•						
			•96	•						
	8319•	7.13	• 74	1 • 45	1 • 4 4		· •	1 • 43		END OF
	8356•	7 • 1 4	• 76	1 • 45	1 • 4 4		1 • 44	1 • 44		CHARGE
	8383•	7.14	•85	1 • 45	1 • 4 4	1.43	1 • 44	1 • 43		
	8449•	7 • 1 7	• 99	1 • 45	1 . 4 4	1.44	1 . 44	1 • 45		
	8494	7.16	•98	1 • 45			1.43	1 • 45		
	8529	7.16	•98	1 • 45	1.43	1 - 44	1 • 44	1 • 45		
	8558•	7.16	•97	1 • 45		1 • 44	1.43	1 • 45		
	8609	7•17	•97	1 • 45	1 • 4 4	1 • 45	1 • 44	1 • 44		
	8646	7 • 1 7	•96	1 • 45	1 • 4 4	1 - 44	1 • 44	1.44		
	8671•	7.18	•97	1 • 46	1.44	1 • 45	1 • 44	1.45		
	8703.	7.13	• 76	1 • 44	1.43	1.43	1.43	1.43		
	J, -J•	,								

	ACK NO	• 240 4 A• H•				OF DIS			TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN+	
_		DACK 0				65		T 4 C C C		
			URRENT		_		LL VOL			
Ν	0• V	OLTAGE	2.00	1	2	3	4	5		
	8353•	4.35	2.00	1 • 14	1.06	1.07	•00	1 + 1 1		END OF
	8390.	4.40	1.98	1 • 15	1.09	1.08	•00	1.12		DISCHARGE
	8417	4 • 4 4	1.98	1 • 16	1.10	1.09	•00	1.13		21201011000
			2.00		1.05			1.11		
	8468•	4.32	1.98	1 • 14		1 • 0 6	•00.	1.12		
	8483.	4.50		1 • 13	1.12	1 • 18	•00			
	8528•	4 • 4 1	1.97	1 • 13	1.06	1 • 1 4	•00	1 • 12		
	8563	4 • 39	2.01	1 • 12	1.09	1.12	•00	1 • 09		
	8592•	4.42	2.02	1 • 14	1.09	1 • 1 1	•00	1 • 12		
	8643.	4.37	2.01	1 • 1 4	1.07	1.10	•00	1 • 1 1		
	8680•	4 • 34	2.00	1 • 14	1.05	1.06	•00	1 • 1 1		
	8705•	4.43	2.01	1 • 16	1.09	1.08	•00	1 • 1 4		
12	8737•	4 • 70	2.00	1 • 17	1.19	1 • 20	•00	1•18		
1							•			
0			1 • 60						,	
7	8353.	5.80	1 • 33	1 • 47	1 • 47	1 • 44	•00	1 • 46		END OF
	8390•	5•82	1 • 40	1 • 47	1 • 47	1 • 45	•00	1 • 47		CHARGE
	8417•	5.81	1.46	1 • 47	1 • 4 7	1 • 44	•00	1 • 46		
	8468.	5.81	1.50	1 • 47	1 • 46	1 • 45	•00	1 • 47		
	8483.	5.82	1.51	1 • 47	1 • 45	1.47	•00	1.47		
	8528.	5.82	1 • 40	1 • 46	1 • 45	1.47	•00	1.47		
	8563.	5•86	1.53	1 • 47	1 • 48	1.47	•00	1.47		
	8592•	5.83	1.58	1 • 47	1.46	1 • 46	•00	1.47		
	8643.	5 • 83	1.58	1 • 47	1 • 46	1 • 46	•00	1 • 47		
	8680.	5.81	1 • 55	1 • 47	1 • 45	1 • 45	•00	1 • 47		
	8705.	5.75	1.30	1 • 46	1 • 4 4	1 • 43	•00	1.45		

8737 • 5 • 89 1 • 66 1 • 49 1 • 46 1 • 49 • 00 1 • 49

	PACK NO	216			DEPTH	OF DIS	CHARGE	15	TEST TEMPERATURE 0	С	
	GULTON	12 A.H.			PERCEN	IT OF R	ECHARG	E 115	ORBIT PERIOD 90 MIN.		
	CYCLE	PACK C	URRENT			CE	LL VOL	TAGES			
	NO. V	OLTAGE	3.60	1	2	3	4	5	•		
	5362	6•18	3.90	1 • 25	1 • 25	1 • 23	1 • 25	1 • 24		E۱	ND OF
	5399•	6.09	3.93	1 • 23	1.24	1.22	1 • 23	1.23		D:	ISCHAR
	5426	6 • 12	3.51	1 • 23	1.24	1.23	1 • 24	1.23			
	5477	6 • 16	3.86	1 • 24	1 • 25	1.24	1 • 24	1.24			
	5506	6.12	3.89	1 • 23	1 - 24	1 • 24	1 • 24	1.23			
	5541•	6•13	3.87	1 • 23	1 • 24	1 • 24	1 • 24	1.24			
	5586•	6 • 15	.3.55	1 • 23	1 • 24	1 • 24	1 • 24	1 • 24			
	5621•	6.20	3.59	1 • 24	1.25	1 • 25	1.25	1.25			
	5652•	6.07	3.48	1 • 22	1.23	1.23	1 • 23	1.23	,		
	5689•	6.37	3.67	1 • 28	1 • 29 1	1 • 28	1 • 29	128			
	5714•	6.34	3.58	1 • 27	1.28	1.28	1.28	1.28			
	5746	6.25	3.60	1 • 25	1.27	1 • 26	1 • 26	1 • 26			
\											
V			2.07						_		
/	5362•	7.50	1 • 06	1 • 58	1.51	1 • 47	1 • 49	1.50			VD OF
	5399•	7.36	1.23	1 • 53	1 • 48	1 • 45	1 • 46	1 • 48		Ch	HARGE
	5426•	7.38	• 03	1 • 55	1 • 48	1.45	1 • 47	1.49			
	5477•	7.42	1 • 00	1 • 56	1 • 48	1 • 46	1 • 47	1 • 49			
	5506•	7.42	1 • 1 1	1 • 55	1 • 48	1 • 47	1 • 47	1.49			
	5541•	7.40	1 • 08	1 • 55	1 • 48	1 • 46	1 • 47	1 • 49			
	5586•	7.42	• 99	1 • 57	1 • 48	1 • 46	1 • 47	1•49			
	5621•	7.52	• 92	1 • 59	1.50	1 • 48	1 • 48	1.51			
	5652•	6.94	2 • 10	1 • 40	1 • 40	1 • 40	1 • 39	1 • 40			
	5689•	7.90	2.09	1 • 66	1.57	1.56	1 • 55	1.60			

• 90

5746 • 7 • 48 1 • 12 1 • 56

5714 • 7 • 53

1.52

1.50

1.50

1.50 1.52

1 • 4.7 1 • 48 1 • 50

END OF DISCHARGE PACK NO. 301

DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C GULTON 12 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE	E F	ACK C	URRENT			CE	LL VOL	TAGES	
NO •	VC	LTAGE	6.00	1	2	3	4	5	
61.	76•	4 • 88	6.01	1 • 24	1 • 24	1 • 23	•00	1.22	. END OF
	02.	4 • 84	6.03	1 • 22	1.22	1 • 22	•00	1.21	DISCHARGE
	38.	4 • 81	5.98	1 • 22	1.22	1.22	•00	1.21	2.55, ,, ,, (5.
	14.	4 • 8 1	5.99	1 • 22	1.21	1.21	•00	1 • 20	
	52•	4 • 78	6.00	1.21	1.22	1.22	•00	1 • 22	
640		4 • 78	6.03	1 • 21	1.21	1.20	•00	1 • 20	
643		4.79	6.01	1 • 2 1	1.21	1.20	•00	1 • 20	
646		4 • 78	6.02	1 • 2 1	1.21	1 • 20	+00	1 • 20	
65		4.77	6.01	1 • 2 1	1.21	1.20	•00	1 • 20	
654		4 • 78	6.00	1 • 2 1	1.21	1.20	•00	1.20	
65		4.77	5.99	1 • 2 1	1.21	1 • 20	•00	1+20	
66		4 • 78	5.96	1 • 2 1	1.21	1.20	•00	1.20	
						•			
Ù	•		3 • 45						
1 -	76•	6.28	2.10	1 • 57	1 • 56	1.55	•00	1.61	END OF
7 620	02.	6.25	2.12	1 • 56	1.55	1.54	•00	1.60	CHARGE
628	88.	6.22	2.04	1.56	1 • 54	1.54	•00	1 • 60	
631		6.19	1.88	1 • 55	1.53	1.52	•00	1.59	
639	52.	6.15	1.78	1 • 54		. 1 •53	•00	1.58	
640	00.	6 • 13	1.65	1 • 54	1.52	1 • 5 1	•00	1.56	•
643	32.	6.15	1.67	1 • 54	1.53	1.51	•00	1.57	
646		6.20	1.84	1 • 56	1.54	1.53	•00	1.59	
65		6 • 19	1.91	1 • 55	1.54	1.52	•00	1.58	
654		6.20	1 • 85	1 • 55	1.54	1.53	•00	1.59	
65		6.17	1 • 75	1 • 54	1.53	1.52	•00	1.57	
66		6 • 18	1.83	1 • 54	1.53	1.52	•00	1.57	

7.28

7.34

7.30

7.28

3.90

3+88

3.91

3.89

1 • 45

1 • 46

1 • 45

1 • 44

1.47

1.48

1.47

1.47

1.47

1 • 48

1.47

1.46

1 • 47

1.48

1.47

1 • 46

1 • 48

1 • 49

1.48

1.47

5909.

5938 •

5971 •

6003.

PACK NO. 78 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C GULTON 12 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN. CELL VOLTAGES CYCLE PACK CURRENT NO. VOLTAGE 3.60 1 2 3 4 5 6147. 4.45 3.77 1.12 1.11 1.13 .00 1.13 END OF DISCHARGE 6211. 4.62 3.57 1.17 1.16 1.16 .00 1.17 4.64 3.59 1.16 1.17 1.18 .00 1.18 6321 • 6390. 4.61 3.57 1.16 1.15 1.17 •00 1•17 4.61 3.59 1.16 1.15 1.17 •00 1•17 6419. •00 1•17 6470. 4.61 3.58 1.16 1.15 1.17 6499. 4.61 3.59 1.16 1.15 1 • 17 •00 1•17 •00 1•17 6532 4 60 3 59 1 16 1 15 1 16 6563. 4.59 3.57 1.16 1.15 1.16 •00 1•16 2.88 6147. 5.70 1.87 1.43 1.44 1.43 •00 1•42 END OF CHARGE 6211 • 5 • 72 2 • 00 1 • 44 1 • 44 1 • 43 •00 1•42 6321 • 5.75 2.91 1 • 44 1 • 44 1 • 45 •00 1•44 6390. 5.76 2.96 1 • 44 1.44 1.46 •00 1•44 6419. 5.73 2.84 1.44 1 • 45 •00 1 • 44 1 • 43 6470• 5.76 2.88 1 • 44 1 • 45 1.46 •00 1•43 5.76 2.93 1.44 1 • 46 •00 1·43 6499 1 • 44 6532 • 5 • 76 2 • 89 1 • 44 1 • 45 1 • 45 •00 1•43

•00 1•43



6563 5 77 2 90 1 44 1 45 1 45

DEPTH OF DISCHARGE 25 TEST TEMPERATURE O C PACK NO. 213 GULTON HSI 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN. CYCLE PACK CURRENT CELL VOLTAGES 3 4 NO. VOLTAGE 3.00 1 2 5 END OF 5279 • 6.06 2.98 1.22 1.23 1 • 22 1.22 1 • 22 5305. 6.03 2.98 1 • 22 1.22 1.20 1.21 1.21 DISCHARGE 3.00 1.22 1.20 5343. 6.01 1 • 21 1.21 1.21 1.22 1.21 1.22 1.21 5391 • 6.02 3.00 1 . 22 5417 6.01 3.00 1 + 21 1.21 1.22 1.21 1.21 5455. 6.01 2.99 1 • 21 1.21 1 • 21 1.21 1.22 5503. 6.01 1.21 1.21 1.21 3.00 1 • 21 1.21 5535 • 6.00 2.99 1 • 21 1.21 1.21 1 • 21 1.21 5567. 5.99 2.99 1.20 1.21 1.21 1.21 1.21 5615 • 5.99 2.99 1 • 20 1.21 1.21 1.21 1.21 5647. 5.99 3.00 1.21 1.21 1.22 1 . 21 1.21 5681 • 5.99 3.00 1.21 1.21 1.21 1.21 1.21 5713. 1.20 1.21 1.21 6.00 3.00 1.21 1.21 1.73 END OF 5279 • 7.82 1.08 1.56 1.57 1.54 1.60 1.60 5305 • 7.83 CHARGE ' 1.07 1.56 1.57 1.54 1.61 1.59 5343. 7.79 1.00 1.56 1.53 1.60 1.59 1 • 55 5391 • 7.81 1.01 1 • 55 1.56 1.54 1.61 1.59 5417 • 7.80 1.04 1 • 54 1.56 1.55 1.61 1.59 5455. 7.78 1.04 1 • 54 1.55 1.54 1.60 1.60 5503. 7.81 1.04 1 • 55 1.56 1.55 1.60 1.60 5535 • 7.76 • 98 1 • 54 1.55 1.54 1.60 1.58 5567 7.71 86 1 • 53 1.54 1.53 1.59 1.58 5615. 7.75 1.55 1.53 1.58 • 94 1 • 54 1.59 5647. 7.73 .86 1 • 53 1.54 1 . 53 1.59 1.57 1.53 1.58 5681 • 7.72 .87 1 • 53 1.54 1.59 1.52 5713. 7.71 •88 1 • 53 1.54 1 • 59 1.58

5.61

3.02

1 • 41

•00

1 • 41

1 • 42

1 • 41

END OF

END OF

CHARGE

DISCHARGE

P	ACK NO	238		DEPTH OF DISCHARGE					TEST TEMPERATURE 40 C.	
G	ULTON	HSI 6	A.H.		PERCEN	IT OF R	RECHARGE	160	ORBIT PERIOD 90 MIN.	
	**				•			,		
С	YCLE F	PACK CUR	RENT			ÇE	LL VOL	TAGES		
Ν	0 • V	OLTAGE	3∙00	1	2	3	4	5		
	5069	4 • 15	2.77	1 • 20	• 68	1 • 13	1 • 17	•00		END OF
	5119	5.00	2.58	1 • 28	1.26	1.25	1.25	•00		DISCHARGE
	5143	4 • 98	2•55	1 • 26	1.26	1 • 25	1 • 24	•00		
	5183.	5.05	2.95	1 • 31	1 • 17	1.30	1+30	•00		
	5189	3.52	2.97	1 • 17	•00	1.21	1 • 19	•00		
	5219	3.45	2.94	1 • 16	•00	1 • 19	1•15	•00		
	5253•	3.45	2.95	1 • 16	•00	1.18	1 • 15	•00		
	5285•	3.40	2.97	1 • 15	•00	1 • 17	1 • 12	•00		
			2.40							
	5069.	5.72	2.17	1 • 46	1.43	1.40	1.46	•00		END OF
	5119.	5•75	2.13	1 • 46	1.45	1.43	1 • 45	•00		CHARGE
	5143.	5.74	1.87	1 • 45	1 • 45	1.43	1 • 45	•00		
9	5183.	5.81	1.74	1 • 46	1.43	1.46	1.51	•00		
1	5189.	4 • 45	1.81	1 • 47	•00	1.48	1.52	•00		
	5219	4 • 40	2.09	1 • 47	•00	1 • 46	1 • 49	•00		
	5253•	4 • 39	2.01	1 • 46	•00	1 • 46	1 • 48	•00		
	5285•	4•38	2.02	1 • 46	•00	1 • 45	1 • 47	•00		

7•78

• 23

1 • 46

1.50

1.49

1 • 68

1.69

3606.

7.68

7.68

.47

• 50

1.54

1.54

1.55

1.54

1.56

1.54

1.54

1.54

1.54

1.57

END OF

END OF

CHARGE

DISCHARGE

	PACK NO SONOTON	. 203 E 3 A.H			DEPTH PERCEN				TEST TEMPERATURE 25 ORBIT PERIOD 90 MIN.	С	
	CYCLE F	ACK CUR	RENT			CE	LL VOL	TAGES			
			1.50	1	2	3	4	5			
	3332•	5.50	1.52	1 • 12	1 • 1 1	1 • 05	1.13	1.12			END OF
	3369•	5 • 42	1.51	1 • 1 1	1 + 1 0	1.03	1 • 12	1 • 1 1			DISCHARGE
	3396•	5•45	1.52	1 • 13	1 • 1 0	1.04	1.12	1 • 10			
	3447•	5.37	1.51	1 • 10	1.08	1.03	1 • 12	1.08			
	3476•	5.22	1.51	1.07	1.04	1.00	1 • 10	1.05			
	3511.	5.23	1.52	1.07	1.04	1 • 0 1	1 • 10	1.05			
	3556•	5 • 66	1.51	1 • 15	1.13	1 • 1 1	1.15	1 • 16			
	3591 •	5 • 65	1.51	1 • 1 4	1 • 1 4	1 • 1 1	1 • 15	1.16			
	3620•	5 • 68	1.50	1 • 15	1 • 1 4	1.12	1.16	1 • 16			
	3671•	5 • 68	1.51	1 • 15	1.15	1.12	1 • 16	1 • 15			
	3700•	5.69	1 • 49	1 • 15	1.15	1.13	1.16	1 • 1 5			
	3733•	5.71	1.52	1 • 16	1.16	1.13	1.16	1.16			
	3765•		1.52	1 • 15	1.15	1 • 15	1 • 16	1 • 15			
ù											
2			•94								
_	3332 •	7.05	•56	1 • 42	1.43	1 • 41	1.42	1 • 41			END OF
	3369•	7.06	•57	1 • 42	1.43	1.42	1.42	1-41			CHARGE
	3396.		•60	1 • 42	1.43	1.42	1.42	1 • 4 1			
	3447.		• 55	1 • 42	1.42	1.43	1 + 42	1 • 4 1			
	3476•		•56		1.42	1.44	1.43	1 • 41			
	3511 •		•97	1 • 43	1 • 4 4	1 • 46	1 • 44	1 - 4 4			
	3556•		•64	1 • 44	1 • 4 4	1 • 45	1 • 45	1 • 44			
	3591 •	-	• 75	1 • 43	1 • 4 4	1 • 45	1 • 45	1 • 44			
	3620•		•69	1 • 43	1 • 4 4	1 • 45	1 • 45	1 • 44			
	3671•		• 75	1 • 44	1 • 45	1 • 45	1 • 46	1 • 44			
	3700•		•63	1 • 44	1.45	1 • 46	1.46	1 • 4 4			
	3733•		•84	1 • 45	1.46	1 • 46	1.46	1 • 45			
	3765		.96	1 • 45	1.46	1.45	1 • 46	1 • 45			
	0.004	,			X =		a - 1 - 1 - 1 - 1	—			

	PACK NO.		Н∙		DEPTH (PERCEN				TEST TEMPERATURE 25 C ORBIT PERIOD 90 MIN.	
	CYCLE P	ACK C	URRENT			CE	LL VOL	TAGES		
		LTAGE	2.40	1	2	3	4	5		
	3012•	4.25	2.38	• 99	1 • 1 4	•00	1 • 12	1 • 04		END OF
	3047•	4 • 28	2.35	1 • 0 1	1 • 1 4	•00	1 • 12	1.05		DISCHARGE
	3076•	4 • 22	2.38	• 99	1 • 1 4	•00	1 • 10	1 • 04		
	3126.	4.28	2.38	1.02	1.13	•00	1 + 10	1 • 06		
	3150.	4 • 26	2.39	1 • 0 1	1 • 1 4	•00	1.09	1.06		
	3190.	4.24	2.35	1 • 0 1	1 • 1 3	•00	1.07	1 • 07		
	3236•	4.22	2.37	1 • 0 1	1.13	•00	1 • 05	1.07		
	3270•	4.18	2.37	1 • 00	1.13	•00	1 • 04	1 • 05		
	3300•	4.08	2.34	• 95	1 • 1 2	•00	1.01	1 • 02		
	3350•	4 • 15	2.21		1.13	•00	1.03	1 • 04		
	3380•	4.05	2.25	• 95	1.12	•00	1.00	1.01		
	3414•	4 • 18	2.24	1 • 0 0	1 - 1 4	• 00	1.03	1.05		
	3446.	4 • 1 4	2.40	• 99	1.13	• 00	1.02	1 • 04		
W										
~			1.50							
	3012.	5•95	1.18	1 • 48	1 • 47	•00	1•58	1 • 46		END OF
	3047.	5•99	1.22	1 • 48	1 • 48	•00	1.60	1.47		CHARGE
	3076•	6.03	1.47	1 • 49	1 • 48	• 00	1.63	1.47		
	3126.	6.06	1.38	1 • 49	1.49	• 00	1 • 64	1 • 48		
	3150.	5•99	1.50	1 • 47	1 • 48	• 00	1 • 60	1 • 47		
	3190•	6.01	1 • 48	1 • 48	1 • 48	•00	1.61	1 • 49		
	3236.	5 • 89	1.25	1 • 46	1 • 46	•00	1 • 54	1 • 47		
	3270•	5.92	1 • 22	1 • 47	1 • 46	•00	1.56	1 • 47		
	3300.	5•96	1 • 17	1 • 48	1 • 47	•00	1.57	1 • 48		
	3350•	5•95	1 • 15	1 • 47	1.47	•00	1.56	1 • 48		
	3380•	5.99	1.05	1 • 49	1.48	•00	1.57	1 • 48		
	3414.	5•96	1.12	1 • 48	1.48	• 00	1.57	1 • 47		
	3446.	5•95	1 • 14	1 • 48	1.47	•00	1 • 56	1 • 47		

	PACK NO.		┪•		DEPTH PERCEN			15 E 160	TEST TEMPERATURE 40 CORBIT PERIOD 90 MIN.	
	CYCLE P	ACK C	JRRENT			CE	LL VOL	TAGES		
		LTAGE	0.90	1	2	3	4	5		
	3161•	5 • 84	•89	1 • 20	1.19	1 • 17	1 • 18	1 • 15		
	3196•	5.85	•88	1 • 19	1.19	1 • 17	1.18	1 • 15		
	3225•	5.82	•89	1 • 19	1.19	1.16	1.18	1.15		
	3275•	5.81	• 88	1 • 18	1 • 18	1 • 17	1 • 18	1 • 15		
	3299•	5•78	• 89	1 • 18	1 • 1 7	1 • 16	1 • 17	1 • 1 4		
	3339•	5.80	• 89	1 • 18	1.17	1.17	1 • 17	1.16		
	3385∙	5•78	• 90	1 • 17	1.17	1 • 17	1 • 1 7	1 • 15		
	3419•	5•78	•91	1 • 17	1 • 17	1 • 17	1 • 1 7	1•15		
	3449•	5•79	• 89	1 • 18	1.17	1 • 17	1 • 17	1 • 1 4		
	3498•	5.78	• 90	1 • 17	1.17	1.16	1 • 17	1 • 1 4		
	3528•	5•79	• 90	1 • 18	1.17	1 • 17	1.17	1 • 1 4		
	3562•	5•79	•90	1 • 18	1.18	1 • 17	1 • 17	1 - 14		
	3594•	5•79	•91	1 • 18	1 • 18	I • 16	1 • 17	1 • 1 4		
M										
Ç1			•72							
•	3161.	7.09	•71	1 • 42	1.43	1.42	1.43	1-43		ļ
	3196.	7.09	•73	1 • 4 1	1.43	1.43	1 • 43	1.43		(
	3225•	7.09	•72	1 • 4 1	1.43	1 • 42	1 • 43	1.43		
	3275•	7.09	• 68	1 • 42	1.43	1 • 44	1 • 43	1.43		
	3299.	7.07	• 66	1 • 40	1.42	1.43	1.42	1.43		
	3339•	7.08	• 70	1 - 40	1.42	1.44	1.43	144		
	3385•	7.09	•72	1 • 40	1 • 43	1 • 44	1 • 43	1 • 4 4		
	3419.	7.08	•73	1 • 40	1.42	1 • 4 4	1 • 42	1 • 4 4		
	3449.	7.08	•73	1 • 41	1.42	1 • 4 4	1 • 43	1 • 4 4		
	3498•	7.08	•72	1 • 40	1.43	1 • 4 4	1 • 43	1 • 4 4		
	3528•	7 • 10	•72	1 • 4 1	1 • 43	1 • 44	1.43	1.43		
	3562•	7.09	• 70	1 • 40	1.43	1 • 4 4	1.43			
	3594•	7.10	•73	1 • 42	1.43	1.43	1.43	1 • 4 4		

END OF DISCHARGE

END OF CHARGE

	3
	3
	3
	3
	3
	3
133	
W	3 3.
	3.

F	PACK NO.	237			DEPTH	OF DIS	CHARGE	25	TEST TEMPERATURE 40	
5	SONOTONE	3 A•	H•		PERCEN	T OF R	ECHARG	E 160	ORBIT PERIOD 90 MIN.	
_		NACK C				C=	LL VOL	TAGES	•	
			URRENT		^	3	4	5		
1	10 • AO	LTAGE	1.50		2	3	4	ټ.		
	3179•	5+66	1 • 49	1 + 17	1 • 17	1 • 15	1 • 16	1 • 05		END OF
	3242•	5.62	1.50	1 • 16	1.16	1.15	1.16	1.04		DISCHARGE
	3268•	5.61	1 • 50	1 • 15	1.15	1.15	1 • 15	1.04		
	3306•	5.58	1.51	1 • 14	1 • 1 5	1.15	1 • 1 4	1.04		
	3354•	5.59	1.50	1 - 15	1.15	1.15	1 • 15	1.03		
	3386•	5 • 18	1 • 49	1.08	1.08	1.07	1.08	•90		
	3418•	5.59	1 • 50	1 • 15	1.15	1.15	1.15	1.04		
	3466•	5.22	1.49	1 • 08	1.09	1.08	1.09	•92		
	3498•	5.28	1 • 49	1 • 09	1.10	1.09	1 • 10	•93		
	3532•	5.02	1.50	1 • 08	1.08	1.06	1.08	•76		
	3564 •	5.12	1.49	1 • 1 0	1 • 1 1	1.07	1 • 1 0	• 79		
W			1.20							
W	3179•	7.28	•80	1 • 44	1 • 45	1 • 44	1 • 45	1.55		END OF
•	3242•	7 • 30	•77	1 • 44	1 • 46	1 • 4 4	1 • 45	1.55		CHARGE
	3268•	7.30	• 75	1 • 43	1 • 45	1 • 45	1.45	1.57		
	3306•	7.29	• 74	1 • 43	1 • 45	1 • 45	1 • 45	1.57		
	3354•	7.24	•61	1 • 43	1 • 4 4	1 • 4 4	1 • 4 4	1 • 55		
	3386•	7 • 25	• 69	1 • 42	1 • 44	1 • 4 4	1 • 4 4	1.54		
	3418.	7.22	• 55	1.42	1 • 4 4	1 • 4 4	1 • 44	1.53		
	3465.	7.21	• 78	1 • 43	1.46	1 • 4 4	1 • 45	1.56		
	3498•	7 • 17	•57	1 • 42	1 • 4 4	1 • 4 4	1.43	1 • 49		
	3532•	7 • 19	• 55	1 • 42	1 • 4 4	1 • 43	1 • 44	1.50		
	3564•	7.21	• 55	1 • 42	1.45	1 • 43	1 • 44	1.51		

	ACK NO	-	3RD EL		DEPTH OF DISCHARGE RODE R 10 10 10 10 10										
С	YCLE	PACK (CURRENT	3RD	ELECT	VOLTAG	ES			CELL	. VOL	TAGES			
Ν	٥٠ ١	VOLTAGE	3.00	1	2	3	4	5	1	2	3	4	5		
	4182	4.77	3.12	.137	•072	•004	• 114	•109	1.20	1 • 19	•00	1 • 20	1.19	1.550	END OF
	4246	4 • 78	3.14	.144	•074	•007	• 116	•106	1.20	1.20	•00	1 • 20	1.20	1.550	DISCHARGE
	4326		3.12	.143	•086	•003	•118	•106	1.20	1.20	• 0 1	1 • 20	1.20	1.417	
	4401		3.09	• 140	•079	•002	•118	•103	1.20	1.20	•01	1.20	1.20	1.540	
	4469		3.00	.139	•079	•000	.123	•105	1.22	1.21	•00	1.21	1.21	1.523	
	4550		3.00	• 1 4 1	•076	•000	•119	•104	1.21	1.20	•00	1.20	1.20	1 • 495	
	4182	6.01	• 17	•100	.081	•004	• 147	•123	1.50	1.52	•00	1.51	1.50		TRIP
	4246		• 09	•104	•096	•007	• 160	• 128	1.47	1 • 48	•00	1 • 48	1.47		POINT
	4326		• 09	104	•097	•005	• 158	•127	.1 • 48	1.49	•01	1 • 49	1 • 48		
	4401		• 09	.099	.089	•000	• 155		1.48		•01	1 • 49	1 • 48		
	4469		• 10	.105	.102	•000	•168	.126	1.46	1 • 47	•01	1.47	1.46		
\	4550		1.38	.105	.097	•000	• 149	.120	1.53	1 • 59	•00	1 • 55	1.54		
Ŵ														AH IN	,
\sim	4182	5.66	• 07	•131	.102	•004	• 155	•140	1.42	1 • 42	•00	1 • 42	1 • 42	1.684	END QF
/	4246		• 06	.136	•107	•007	• 163	• 141	1.42	1 • 41	•00	1.42	1 • 41	1.682	CHARGE
	4326		• 05	.137	•113	•003	• 159		1.42		• 0 1	1.42	1 • 42	1.684	
	4401		• 05	• 1'31	•113	•000	№ 164	•140	1.42	1 • 41 1	•01	1.42	1 • 4 1	1.718	

4469.

5 • 64 • 07 • 130 • 110 • 000

4550. 5.65 .06 .136 .106 .000

•165 •135 1•42 1•42 •00 1°42 1•42 1•646 •159 •133 1•42 1•42 •00 1•42 1•42 1•618

	PACK NO		3RD ELE	ECTROD			CHARGE 10 10	40			MPERA ERIOD	TURE 90 MI	0 C N•		
(CYCLE	PACK (CURRENT	3RD	BRD ELECT VOLTAGES				CELL VOLTAGES						
1	10• V	OLTAGE	4.80	1	2	3	4	5	1	2	3	4	5		
	4243•	4 • 56	4 • 84	.079	•036	•087	•078	•000	1 • 17	1 • 16	1 • 16	1 • 09	•00	2.423	END OF
	4309			•069	•033	•076	• 071	•000	1.17	1.16	1 • 17	1.10	•00	2.416	DISCHARGE
	4388			.084	•052	•089	•078	•000	1 • 17	1 • 16	1 • 17	1.10	•00	2.403	
	4469			.073	•040	•093	•078	•000	1.17	1 • 16	1 • 16	1.08	•00	2.410	
	4533			.067	•037	•088	•079	•000	1.18	1.16	1 • 17	1 • 09	• 00	2.432	
															•
		6 63	2 87	0.00	•082	• 104	• 141	-000	1.66	1.67	1 • 66	1.66	+ 00		TRIP
	4243•			.090 .057	.052	•066	• 145		1.48				•00		POINT
	4309			•059	•052	•071	• 149		1.47				•00		2,,,,
	4388• 4469•			.052	.042	•072	• 144		1.48				•00		
	4533•			•045	•036	•066	145		1.46				+00		
	4555	5.05	•15	• • • • •	•000		• • • • •				•			AH IN	
	4243.	5•87	• 40	•1 i 2	•100	•130	• 144	•000	1 • 47	1 • 47	1 • 47	1.48	•00	2.562	END OF
	4309			.112	.097	•120	• 148		1.46				•00	2.559	CHARGE
,	4388•			•119	•109	•127	• 149	•000	1.47	1 • 48	1 • 47	1 • 48	•00	2.537	•
l '	4469			.112	.102	• 134	• 148	•000	1.47	1 • 47	1 • 47	1.47	•00	2.508	
1	4533•	_	• 39	.105	•098	•127	• 147	•000	1.46	1 • 46	1 • 46	1 • 45	•00	2•482	

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CYCLE	PACK	CURRENT	3RD	ELECT	VOLTAG	ES			CELL	VOL.	TAGES			
NO.	VOLTAG	E 4∙80	1	2	3	4	5	1	2	3	4	5		
535	6. 4.3	1 4.68	•143	•237	•000	•100	. 345	1.12	1 • 08	•00	1.04	1.09	2.343	END OF
541			• 154	•232	•000	•128			1 • 13	=		1.15	-	DISCHARGE
549			•134	•227	•000	•117			1.10	• •		1.12	2.351	DISGINACCE
553			•130	•291	•000	•158			1 • 1 7			1.17	2.417	
559		• ,	•172	•292	•000	• 171			1 • 15	• •		1.14	2.370	
568			•161	•279	•000	• 180			1.12		1.16	•	2.336	
555	-, -, -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				7700	•000			+ 0 0			2,000	
535	6. 5.79	• 14	•213	• 254	•000	•172	•321	1.45	1 • 45	• 00	1 • 46	1 • 45		TRIP
541	9. 5.93	3 •98	.236	• 258	•000	•188	.295	1.48	1.49	•00	1.49	1 • 48		POINT
549	9. 6.14	4 2.33	•235	- 258	•000	• 192	•292	1.54	1.54	• 00	1.54	1.53		
553	0. 5.6	7 • 14	•176	• 254	•000	•157			1 • 43	•00	1.43	1.43		
559		• 16	.205	•269	•000	• 170			1 • 43	•00	1.43	1.43		
568				•274	•000	•179		1.44			1 • 45			
				,									AH IN	
535	6. 5.59	5 •07	.220	•295	•000	•161	•415	1.39	1 • 39	•00	1.39	1.39	2.621	END OF
541		4 •08	.236	•300	•000	•169			1.39	• 00	1.39	1.39		CHARGE
549		• 07	.231	296	•000	•167			1.39		1.39		2.657	
553			.215	•311	•000	• 164		1.39			1.39		2.596	
559			.239	• 325	•000	•176		1.39			1.39		2.532	
568			•233	•321	·000	• 182		1.39			1.39	•	2.578	

	CYCLE I	PACK C	URRENT	3RD	ELECT	VOLTAG	ES			CELI	_ VOL	TAGES			
	NO. V	DLTAGE	3.00	1	2	3	4	5	1	2	3	4	5		
	5344•	5.71	3•04	•117	• 164	•162	•173	•261	1.15	1 • 15	1 • 15	1 • 14	1 • 15	1.402	END OF
	5408•	5•72	3.07	•124	• 176	• 171	•200	•257	1 • 15	1 • 15	1 • 15	1.15	1.15	1.454	DISCHARGE
	5483•	5•73	3.08	• 140	• 189	• 177	.214	•266	1.16	1 • 16	1 • 15	1.15	1.15	1.641	
	5514•	5•85	3.10	• 159	• 182	• 171	•204	•291	1.18	1 • 18	1 • 17	1.18	1.18	1.629	
	5582•	5•82	3.01	•152	•169	•170	•200	•280	1.17	1 • 17	1 • 17	1.17	1 • 17	1 • 450	
	5664•	5•80	2.99	•160	• 170	•166	•203	•296	1 • 17	1 • 17	1 • 17	1 • 17	1.16	1.412	
	5344•	7.29	1 • 49	•180	•232	•247	• 235	•285	1.47	1 • 47	1 • 46	1 • 44	1 • 4 7		TRIP
	5408•	7.10	•03	•189	•245	•252	254	•294	1.43	1 • 43	1 • 43	1.42	1.43		POINT
	5483•	7.21	• 46	.210	• 255	•252	• 251	•283	1.45	1 • 45	1 • 45	1 • 44	1 • 45		
	5514•	7.03	•03	•236	• 245	•234	.248	•303	1.41	1 • 41	1 • 4 1	1 • 41	1 • 4 1		
	5582•	7.10	•13	•216	.224	•232	• 248	•282	1.43	1 • 43	1 • 43	1.42	1.42		
	5664•	7.26	1.31	.217	.222	•233	• 249	.280	1.46	1 • 46	1 • 45	1 • 45	1.46		
r						r								AH IN	
ŀ	5344•	6.88	• 0 1	•170	•233	244	• 248	•350	1.38	1.38	1.38	1.38	1.38	1.684	END OF
	5408•	6•89	•01	•182	•246	•248	· 275	•347	1.38	1.38	1.39	1.38	1.38	1.740	CHARGE
	5483.	6.91	•02	.200	• 258°	·248	·278	•349	1.38	1 • 39	1.39	1.39	1.39	1.778	
	5514•	6•87	•01	•234	• 253	•242	· 269	•382	1.38	1 • 38	1 • 38	1.38	1.38	1.918	
	5582•	6•87	•01	.219	• 238	•240	• 269	•371	1.38	1 • 38	1 • 38	1.38	1.38	1.756	
	5664•	6•88	• 01	.217	•231	·• 235	• 268	•369	1.38	1 • 38	1 •38	1.38	1.38	1.626	

	CYCLE	PACK	CURRENT	3RD	ELECT	VOLTAG	ES			CELI	L VOL	TAGES				
	NO.	VOLTAG	E 1.80	1	2	3	4	5	1	2	3	4	5			
	3295	• 5•6	5 1.77	• 124	•076	•090	• 162	• 195	1.13	1 • 13	1 • 12	1.14	1 • 15	•861	END OF	
	3361	 5.5 	2 1.81	•119	•075	•086	• 161	• 194	1.10	1 • 10	1 • 1 0	1.13	1.13	. 897	DISCHARGE	
	3441	• 5.6	5 1.81	.127	•089	• 092	• 166	•187	1.13	1.13	1 • 12	1.15	1 • 15	•88o		
	3521	• 5•7	0 1.83	128	•091	•102	• 170	•178	1.15	1 • 15	1 • 1 4	1.16	1.16	•896		
	3585	• 5•6	2 1.83	.122	•085	•100	• 163	•175	1.13	1 • 12	1 • 1 2	1 • 15	1.15	•878		
	3295	• 6.9	4 •08	•239	• 186	•202	•307	•322	1.39	1 • 39	1 • 39	1.39	1.39		TRIF	
	3361	6.9	4 • 07	238	• 187	•190	•434	• 3 35	1.39	1 • 39	1 • 40	1.39	1.39		POINT	
	3441	. 6.9	6 •09	•237	•191	•193	•302	•303	1.40	1 • 40	1 • 40	1.40	1.40			
	3521	. 7.0	0 •16	.231	• 185	• 194	• 287	•283	1 • 4 1	1 • 41	1 • 4 1	1.41	1 • 4 1			
	3585	• 6.9	7 •11	.234	• 184	.200	. 292	•291	1 • 40	1 • 40	1 • 40	1.40	1.40			
														AH IN		
_	3295	. 6.8	0 •06	.272	.213	•227	.426	•406	1.37	1.36	1.37	1.36	1.36	1.122	END OF	
Ŋ	3361	. 6.8	2 •06	.274	•213	•216	•432	•406	1.37	1.37	1.37	1.37	1.36		CHARGE	
٠,	2441		2 •06	•274	• 225	• 225	•431				1 • 37			1.147	•	
V	3521			•273	•219	•232	•434				1 • 38			1.158		
	3585		-	276	.218	.232	431	· - -	_		1.37			1.138		

PACK NO. 47 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C GULTON 6 A.H. 3RD ELECTRODE R 11 47 12 36 47 ORBIT PERIOD 90 MIN.

(CYCLE PACK CURRENT 3F			3RD	ELECT	VOLTAG	SES			CEL					
1	10•	VOLTAGE	3•00	1	2	3	4	5	ī	2	3	4	5		
	3957	• 5•70	2.96	.124	• 154	• 156	• 100	•091	1.15	1 • 15	1 • 1 4	1.15	1 • 1 4	1.494	END OF
	4021	• 5.70	2.96	•119	•142	•164	• 099	•091	1.15	1 • 15	1 • 15	1.14	1 • 14	1.457	DISCHARGE
	4101	• 5 • 72	2.95	.123	• 159	•158	• 100	•089	1 • 15	1 • 16	1 • 15	1 • 15	1 • 15	1.510	
	4181	• 5 • 74	2.95	.124	•142	•154	• 103	•092	1.16	1 • 16	1 • 15	1.16	1 • 15	1.523	
	4246	• 5 • 73	2.99	.126	• 159	•152	• 100	•086	1 • 16	1 • 16	1 • 15	1 • 15	1 • 15	1.496	
	4330	• 5•70	2.95	•119	•136	•149	• 100	•087	1 • 15	I • 15	1 • 1 4	1.15	1 • 14	1.482	
	3957	• 7•14	•86	• 250	•279	• 290	• 241	.231	1.43	1.43	1.43	1.43	1.43		TRIP
	4021			.249	248	• 296	• 242				1 • 44				POINT
	4101			253	• 293		• 244				1 • 4 4				
	4181			• 264	•277	•425	•262				1 • 40				
	4246		_	254	•283	• 280	•247	•	_		1 • 45		•		
	4330	·		• 259	•259	• 426	254				1 • 40				
\	,,,,,			•	4207		* 251	4 – - 7	10,1		1440		. • 0	AH IN	
W	3957	6.84	• 04	•237	•244	• 398	•219	-211	1.38	1 . 38	1 • 37	1.37	1.36		END OF
0	4021			234	•223	•402	218				1.37			2.057	_ · - · ·
	4101			•236	•259	• 400	•218				1 • 37			2.044	CHARGE
	4181			• 242	• 247	• 399	•230				1.37			2.102	
	4246			.237	•250	• 394	•219				1.37			2.026	
	4330			•238	• 22 1	• 392	•217				1 • 36			2.025	

PACK NO. 60 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C G.E. 12 A.H. 3RD ELECTRODE R 3 3 3 3 ORBIT PERIOD 90 MIN.

CYCLE PACK CURRENT			3RD	ELECT	VOLTAGES				CELI	CELL VOLTAGES					
NO. VOLTAGE 6.00			1	2	3	4	5	1	2	3	4	5			
AH OUT															
1807.	6.00	5.97	•189	.087	•028	.016	•020	1.21	1 • 21	1.21	1.21	1.20	2.917	END OF	
1873.	6.00	5.99	.202	•100	•043	•021	•027	1.21	1.21	1 • 21	1.21	1.20	2.964	DISCHARGE	
1963.	6.00	5.98	.224	•107	•039	•023	•021	1.21	1.22	1.21	1.21	1.20	2.962		
2031•	6.02	5.93	·207	•099	•031	•020	•020	1.21	1.22	1 • 21	1.21	1.20	2.946		
2096•	6.01	6.02	.217	.106	•033	•018	•021	1.21	1 • 22	1 • 21	1.21	1.20	3.030		
2180.	5•99	5.96	.205	•099	•033	•019	.021	1.21	1.21	1.20	1.21	1.20	2.948		
1807•	7.38	•91	•130	• 205	•070	• 338	•519	1 • 47	1 • 49	1 • 48	1.48	1.49		TRIP	
1873.	7.53	•92	•102	• 100	• 064	• 289	•421	1.49	1.52	1.50	1.51	1.53		POINT	
1963•	7.44	•91	•136	• 199	•076	• 346	•492	1 • 48	1 • 51	1 • 49	1 • 51	1.51			
2031•	7 • 4 1	•86	•130	208	•070	• 335	•506	1.47	1.50	1 • 47	1 • 49	1.50			
2096.	7•58	3.08	-204	• 261	•102	• 331	•375	1.51	1 • 53	1.51	1 •52	1.52			
2180.	7.35	•95	•153	.203	•074	• 344	•499	1 • 46	1 • 48	1 • 47	1 • 48	1 • 48			
													AH IN		
1807.	7.51	•96	• 754	•695	•662	• 645	•610	1.51	1 • 52	1.51	1 • 49	1.49	3.003	END OF	
1873•	7.54	• 99	•771	.724	•700	•670	• 650	1.52	1 • 52	1.52	1.50	1.50	3.277	CHARGE	
J 1963•	7.55	1.01	•774	• 725	•700	•672	•662	1.52	1 • 53	1.52	1 • 50	1.50	3.179		
2031•	7 • 49	•95	• 754	•677	•646	• 629	•597	1.51	1.51	1 • 5 1	1 • 49	1 • 4 9	3.309		
2096.	7.52	1.06	•770	•730	• 704	•676	•656	1.52	1.52	1.51	1.50	1.50	3.478		
2180.	7.55	• 98	•766	• 705	•692	•664	•649	1.52	1.53	1.52	1.50	1.50	3.631		

PACK NO. 48 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 0 C G.E. 12 A.H. 3RD ELECTRODE R 3 3 3 3 3 ORBIT PERIOD 90 MIN.

CYCLE PACK CURRENT		3RD ELECT VOLTAGES					CELL							
NO •	VOLTAGE	9.60	1	2	3	4	5	1	2	3	4	5		
AH OUT	ſ													
1151	5.80	9.39	•058	•092	•012	• 004	•007	1.16	1 • 15	1 • 18	1.17	1.17	4.734	END OF
1215	5 • 5 • 79	9.42	•064	•100	•004	•003	•006	1 • 1 6	1 • 16	1 • 18	1.17	1.17	4.752	DISCHARGE
1295	5. 5.80	9.35	•070	• 109	•008	•005	•007	1.16	1 • 16	1 • 18	1.17	1 • 1 7	4.720	
1372	2. 5.79	9.35	•069	• 1 1 1	•011	•006	•009	1.16	1 • 15	1 • 18	1.17	1.17	4.716	
1438	3. 5.83	9.34	.079	• 1 1 1	•012	•007	•006	1.17	1 • 17	1 • 18	1.18	1.18	4.713	
1521	5.76	9.32	•079	• 106	•010	•006	•006	1.16	1 • 15	1 • 17	1.17	1.16	4.706	
1151	• 7.42	•51	•259	•250	•042	• 452	•037	1 • 48	1 • 48	1 • 46	1.51	1 • 4 9		TRIP
1215	5• 7•57	• 51	•251	•239	•038	•421	•048	1.51	1.51	1 • 49	1.56	1.53		POINT
1295	7.43	3.51	.272	•259	•081	•421	•068	1 • 48	1 • 48	1 • 48	1.51	1.50		
1372	7.44	3.70	•263	•256	•079	•422	•067	1.48	1 • 48	1 • 48	1.51	1.51		
1438	· -7 · 36	2.88	•259	•245	•082	•421	•064	1 • 47	1.47	1 • 47	1.50	1 • 48		
1521	• 7 • 40	2.81	.257	•241	•086	•421	•072	1 • 48	1 • 48	1 • 47	1.51	1.50	•	
							•						ÀH IN	
1151	. 7.21	•48	.252	•234	• 446	•123	340	1.43	1 • 42	1 • 48	1.43	1 • 4 7	4.859	END OF
1215	7.21	•47	•254	•231	•412	• 138	•384	1 • 43	1 • 43	1 • 48	1 • 44	1.47		CHARGE
1295	7.20	• 46	.256	•239	•418	• 136	•343	1 • 43	1 • 43	1 • 47	1 • 44	1.46	4.922	
1372	7.21	• 48	•250	•238	•427	• 140			1 • 43				4.993	
1438	7.20	•48	.249	.231	•001	• 139	•341	1.43	1.43	1 • 47	1.44	1.46	5.065	
1521	• 7•19	•47	.253	.224	•420	• 140			1 • 43				5.013	

۲,	YCLF P	ACK CUP	RRENT			ÇE	LL VOL	TAGES	
		OLTAGE		1	2	3	4	5	
	1450.	3.91	250	1.00	1.13	•00	1.07	1.00	END OF
	1486.	4.08	2.50	1.00	1.11	•00	1.05	•99	DISCHARGE
	1514.	4.07	2.50	•99	1.11	•00	1.04	•99	·
	1537.	4.06	2.50	1.00	1.10	• 00	1.03	•99	
	1567.	4.03	2.51	•99	1.10	•00	1.02	•99	
	1601.	2.83	2.49	•99	1.09	•00	o 14	•96	
	161°•	2.98	2 • 46	1.00	1.09	• 00	•00	•96	
	1643.	2.97	2.46	1.00	1.09	•00	•00	•96	
	1673.	2.97	2 • 4 4	•99	1.09	•00	•00	•96	
	1723.	2.98	2.42	1.00	1.09	• 00	• 00	•96	
	1761.	2.97	2.39	•39	1.08	•00	• 0.0	•96	
	1785.	2.96	2.45	•99	1.08	•00	•00	•96	
	1817.	3.00	2.43	1.02	1.08	•00	•00	•96	
V			5.00						
2%	1450	7 62	4.99	1.63	1.59	•00	1.65	1.63	END OF
••	1450.		4.99	1.63	1.59	•00	1.69	1.63	CHARGE
	1486. 1514.		4.97	1.63	1.59	•00	1.69	1.63	STIPATE OF
	1537		4•98	1.63	1.59	•00	1.73	1.63	
	1567		5.01	1.62	1.59	•00	1.74	1.63	
	1601.		5.04	1.64	1.60	•00	• 35	1.64	
	1610.		5.08	1.64	1.61	•00	•00	1.65	
	1643		5.06	1.65	1.62	.00	•00	1.64	
	1673		5.08	1.65	1.62	• 00	•00	1.64	
	1723		5.07	1.66	1.63	•00	•00	1.65	
	1761		5.01	1.66	1.63	• 00	• 00	1.66	
	1785		5.00	1.54	1.52	.00	•00	1.55	
	1817		5.03	1.61	1.57	.00	•00	1.62	
	TOTIO	JO	7.00	707			•		

PACK	NO.	28	39
SOMOT	ONE	5	$\Delta \cdot H \cdot$

STABISTER

DEPTH OF DISCHARGE 40 TEST TEMPERATURE -20 C ORBIT PERIOD 90 MIN.

CY	CLE PA	.CK CUF	RENT			CE	LL VOL	TAGES
NO		LTAGE		1	2	3	4	5
	1159•	5.22	3.97	1 • 37	1.30	•00	1 + 30	1 • 31
	1195.	5.21	3.98	1 • 37	1.30	•00	1.30	1.31
	1223.	5.19	3.99	1 • 36	1.31	•00	1.30	1.30
	1273.	5 • 20	3.99	1 • 36	1.32	•00	1 • 30	1.27
	1303.		4.01	1 • 36	1.32	• 00	1 • 30	1 • 24
	1337.	4.93	4.01	1 • 35	1.32	•00	1 • 30	1.01
	1346•	3.86	4.00	1 • 35	1.30	•00	1.28	•00
	1379.	3.85	4.15	1 • 35	1.31	•00	1.28	•00
	1409.	3.86	4.02	1 • 35	1.31	•00	1.28	•00
	1459•	3.59	3.98	1 • 24	1.22	•00	1.21	•00
	1497•	3.81	4.00	1 • 33	1.31	•00	1.26	•00
	1521•	3∙88	4 • 12	1 • 35	1.33	•00	1.28	•00
			5.00					
	1159.	6.58	5.05	1 • 60	1.64	•00	1 • 62	1.67
	1195.	6.58	5.02	1.60	1.64	•00	1.62	1.68
	1223.	6.59	5.02	1 • 59	1 • 64	•00	1.62	1.69
	1273.	6.62	5.02	1 • 60	1.64	•00	1.61	1 • 73
	1303.	6 • 64	5.06	1 • 59	1.63	•00	1.61	1 • 76
	1337•	6 • 68	5 • 10	1 • 59	1.63	•00	1 • 62	1 • 79
	1346.	4.91	5.03	1 • 58	1.63	•00	1 • 62	•00
	1379•	4.92	5.05	1 • 58	1 • 64	•00	1.63	• 00
	1409.	4.92	5.07	1 • 57	1.64	•00	1.63	•00
	1459•	4.94	5.06	1 • 58	1 • 64	•00	1 • 64	•00
	1497•	4•94	5.00	1 • 59	1 • 65	•00	1 • 64	• 00
	1521•	4 • 62	્5∙00	1 • 48	1 • 54	•00	1 • 52	•00



PACK NO • 92 DEPTH OF DISCHARGE 25 SONOTONC 5 A • H • STABISTER TEST TEMPERATURE 0 CORBIT PERIOD 90 MIN.

END OF DISCHARGE

END OF CHARGE

	CYCLE PA	CK CUR	RENT			CE	LL VOL	TAGES
	NO. VO	LTAGE	2.50	1	2	3	4	5
	2263.	5.60	2 • 48	1 • 1 1	1.13	1 • 1 4	1 • 14	1.08
	2300.	5•57	2.48	1 • 1 1	1.12	1.13	1 • 12	1.09
	2327•	5•57	2.48	1 • 1 1	1 • 12	1 • 1 3	1 • 12	1 • 09
	2352•	5.55	2.46	1 + 1 1	1 • 1 1	1.13	1 • 12	1.09
	2381.	5.54	2.46	1 • 10	1.12	1 • 1 4	1.13	1 • 09
	2416.	5.53	2.48	1 • 10	1.10	1 • 12	1 • 12	1.08
	2496•	5.52	2.48	1 • 10	1.10	1 • 12	1 • 12	1.08
	2525•	5.52	2.47	1 • 10	1.10	1 • 12	1.12	1.08
	2576•	5.52	2.47	1 • 10	1.10	1.12	1.12	1.08
	2605.	5.52	2,45	1 • 10	1.10	1.12	1 • 12	1.08
	2638•	5.50	2.48	1 • 09	1 • 10	1 • 12	$1 \cdot 11$	1.07
	2670.	5.54	2.48	1 • 1 1	1 • 14	1 • 1 4	1 • 15	• 99
	•							
			5.00					
•	2263•	8.02	5 • 14	1 • 58	1.58	1.59	1 • 61	1 • 68
	2300•	8.01	5.10	1.57	1.58	1.59	1.61	1 • 69
`	2327•	8.01	5.10	1 • 57	1.58	1.58	1.60	1.68
	2352•	8.01	5.08	1 • 58	1.58	1.59	1.61	1.69
	2381 •	7.99	5.06	1.57	1.58	1.59	1.61	1.68
	2416•	8.00	5.08	1.57	1.57	1.57	1.60	1 • 68
	2496•	8.00	5.07	1 • 57	1.57	1.57	1 • 60	1 • 68
	2525•	8.00	5.06	1.57	1.57	1 • 57	1.60	1 • 67
	2576•	8.01	5.06	1 • 58	1.58	1.58	1 • 61	1 • 67
	2605.	8.01	5.07	1 • 58	1.58	1 • 58	1.61	1.68
	2638•	8.00	5.05	1 • 58	1.57	1.58	1.61	1.67
	2670•	7.98	5.06	1.57	1.56	1.57	1 • 60	1 • 68
					1			

14

PACK NO. 322 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 0 STABISTER ORBIT PERIOD 90 MIN.

_	_,,,							
С	YCLE	PACK CU	RRENT			CE	LL VOL	TAGES
		VOLTAGE		1	2	3	4	5
	2140			1 • 1 1	1 • 1 7	•00	1 • 12	1.10
	2170			i•09	1 • 1 4	• 00	1 • 1 1	1 • 10
	2204	• 4•39		1 • 09	1 • 1 4	•00	$1 \bullet 1 1$	1 • 10
	2251	. 4.29	4 • 0 1	1 • 0 7	1.12	•00	1.08	1 • 08
	2284	. 4.29	3.99	1 • 0 7	1.12	•00	1.08	1.08
	2314	. 4.26	3.99	1.07	1 • 1 1	•00	1.06	1.07
	2364	. 4.23	4.01	1.06	1 • 1 1	• 00	1 • 05	1.07
	2402	. 4.24	3.98	1.06	1.10	•00	1.06	1.07
	2426			1.05	1.10	• 00	1.06	1 • 07
	2462			1.07	1 • 1 1	•00	1 • 10	1.09
			5.00		:			
	2140	. 6.18		1 • 55	1.56	•00	1 • 52	1 • 58
X	2170			1 • 54	1.55	•00	1 • 5 1	1 • 58
J.	2204			1.54	1.55	•00	1.50	1.58
•	2251			1 • 56	1.55	•00	1.49	1.57
	2284		4.99	1 • 55	1.55	•00	1.48	1.57
						-		
	2314		4.99	1 • 55	1.55	. •00	1 • 47	1.57
	2364			1 • 5 4	1 • 55	•00	1 • 42	1 • 57
	2402			1 • 56	1 • 55	•00	1 • 45	1 • 57
	2426		4.87	1 • 57	1 • 55	•00	1 • 47	1 • 57
	2462	• 6•28	5•01	1 • 57	1.56	•00	1.57	1.57

PACK NO. 273 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C ORBIT PERIOD 90 MIN. STABISTER SONOTONE 5 A.H. CYCLE PACK CURRENT CELL VOLTAGES NO. VOLTAGE 2.50 1 2 3 4 5 END OF 4.11 2.46 •01 1•02 1•09 1•04 2615. 1 • 0 1 DISCHARGE 2641. 4 • 13 2 • 43 1.02 •01 1.02 1 • 10 1 • 04 2727. 4 • 13 2 • 44 1 • 00 •01 1.03 1 • 10 1 • 05 2753. 4 • 14 2 • 45 • 99 •01 i•05 1 • 10 1.05 •02 1•09 1.08 1 • 00 2790. 3 • 12 2 • 38 •02 2822. 3.15 2.38 •02 •01 1•10 1 • 1 1 1 • 02 1 • 02 3 • 13 2 • 37 •01 1•09 1 • 10 2854 •02 • 99 1.08 2902. 3.09 2.33 •02 •01 1•07 2934 • 3.13 2.36 •02 •01 1•09 1.09 1.02 2968 • 3.13 2.37 •02 •01 1•08 1.09 1.02 3000. •01 1•08 1.09 1.03 3.14 2.34 • 02 5.00 5.91 4.95 END OF 1 • 4 4 2615. 1 • 54 •01 1•44 1 • 44 CHARGE 1 • 44 2641 • 5•91 5.06 1 • 56 • 04 1 • 43 1 • 43 .04 2727. 5.94 4.95 1 • 56 1 • 44 1 • 44 1 • 46 5.94 1 • 55 •03 1 • 45 1 • 46 2753. 5.00 1.44 •03 1 • 4 4 2790. 4 • 41 5.06 • 04 1 • 45 1 • 44 •03 1 • 44 1 • 42 2822. 4 • 37 5 • 00 • 04 1.43 2854 • 4.37 5.00 • 04 i • 44 1 • 43 1 • 42 • 04 4.35 5.01 .04 1.42 1 • 42 1 • 42 2902. Q4 • 04 1 • 44 1.43 1 • 4 1 2934 • 4.37 5.16 • 04

1.43 1.43

1.42 1.43

.03 1.44

•04 1•43

• 04

• 04

2968 •

3000•

4.37 4.97

4.35 5.07

PACK NO. 299 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C SONOTONE 5 A.H. - STABISTER ORBIT PERIOD 90 MIN+ CYCLE PACK CURRENT CYCLE PACK CURRENT CELL VOLTAGES
NO. VOLTAGE 2.50 1 2 3 4 5 CELL VOLTAGES END OF 2.50 1.12 1.08 2461 • 5 • 25 •97 1•07 1•05 2498. 5.25 2.51 1 • 12 1 • 08 •97 1•07 1•04 DISCHARGE 2525 • 5 • 25 2.51 1•12 1•09 •98 1•07 1•05 2576. 5.24 2.46 1.12 1.08 •98 1•07 1•04 2627. 5.70 2.53 1.18 1.15 1.13 1.15 1.14 2656. 5.57 2.50 1.15, 1.11 1.11 1.12 1.12 5.00 END OF 2461. 7.37 5.04 1.49 1.49 1.46 1.47 1.47 7.46 5.04 1.49 1.48 1.47 1.46 1.47 CHARGE 2498• 2525. 7.37 5.03 1•49 1•49 1•47 1•47 1•48 7.38 5.04 1.49 1.48 1.48 1.48 2576 • 1 • 49 2627. 7.37 5.04 1 • 49 1 • 49 1 • 48 1 • 47 1 • 48 2656. 7.36 5.04 1 • 48 1 • 48 1 • 47 1 • 48

2689. 7.36 5.02 1.48 1.48 1.47 1.47 1.48



TEST TEMPERATURE 40 C DEPTH OF DISCHARGE -40 PACK NO. 312 ORBIT PERIOD 90 MIN. STABISTER SONOTONE 5 A.H. CYCLE PACK CURRENT CELL VOLTAGES 3 4 5 NO. VOLTAGE 1.51 1 2 END OF 1.07 • 98 1 • 00 2362 • 4.04 1.52 1 • 03 •00 DISCHARGE •97 2397. 4.04 1.47 1.03 .00 1.09 •99 •97 1 • 49 .00 1.08 • 99 2426 • 4.03 1 • 03 •97 1.48 •00 1.08 •98 2476. 4.03 1.03 •00 1.07 • 98 • 94 2500. 3.99 1.50 1.02 .00 1.07 •98 •94 2540. 3.98 1.48 1.02 • 96 • 98 1.48 •00 1.07 2586 • 4.00 1 • 02 • 97 •00 1.08 • 96 2620. 3.96 1.49 1.01 •00 1 - 10 • 97 • 96 2650. 3.97 1 • 47 1 • 00 • 95 •00 1.09 • 95 2782. 3.92 1 • 49 • 99 5.00 END OF 2362. 4.99 1.46 1 • 49 5 • 96 1 • 48 •00 1 • 46 CHARGE 2397. 5.96 5.01 .00 1 • 46 1 • 49 1 • 48 1 • 46 2426 • 5.95 5.03 •00 1 • 45 1.46 1 • 49 1 • 47 1 • 49 5.95 .00 1 • 45 1 • 45 2476. 5.04 1 • 48 1.48 2500. 5.93 5.02 1 • 47 •00 1.44 1 • 45 1 • 48 2540. 5.92 5.06 1 • 47 .00 1 • 44 1 • 45 1 • 48 2586 • 5.92 4.95 1 • 47 •00 1 • 44 1 • 45 4.96 .00 1 • 45 1 • 45 1 • 49 2620. 5.90 1 • 47 1.45 1 • 48 2650. 5.91 4.99 1 • 47 .00 1 • 45 1 • 48 •00 1.44 1 • 45 2782. 5.91 4.99 1.47

	ACK NO.		AGZN				CHARGE ECHARG			
CY	CLE PA	CK CUR	RENT			CE	LL VOL	TAGES		
N)• VO	LTAGE	6.00	1	2	3	4	5	•	
	226•	5•39	5.83	1 • 08	1.08	1.08	1.08	1 • 08		END OF
	252.	5•38	5.79	1 • 08	1.08	1.08	1.08	1 • 08		DISCHARGE
	338.	5.38	5.84	1 • 08	1.08	1.08	1.08	1 • 08		
	364•	5•38	5.86	1.08	1.08	1.08	1 • 08	1.08		
	402.	5.36	6.00	1.08	1.07	1.07	1.07	1.07		
	450.	5.32	5.94	1.07	1.07	1 • 06	1.07	1 • 07		
	482.	5.37	5.86	1 • 08	1.08	1.07	1.08	1 • 07		
	514.	5•33	5.91	1 • 0 7	1.07	1.07	1 • 07	1 • 07		
	594 •	5 • 34	5.89	1 • 08	1.07	1.07	1.07	1 • 07		
	628•	5.35	5.88	1.07	1.07	1.07	1.07	1.07		
	660•	5•36	5•91	1 • 0 7	1.08	1.07	1.07	1 • 07		
			3.90					1		
V	226•	7.80	1.43	1 • 57	1.56	1.56	1 • 55	1 • 56		END OF
8	252.	7.79	1.47	1.57	1.55	1.56	1.55	1.55		CHARGE
9	338•	7.77	1 • 45	1.57	1.56	1.56	1.56	1.56		•
	364•	7.78	1.57	1 • 56	1.56	1.57	1.56	1.56		
	402.	7.74	1.36	1 • 55	1.53	1.54	1.53	1.53		
	450•	7.79	1.97	1.57	1.55	1 • 55	1.56	1.55		
	482•	7.68	1.12	1 • 55	1.53	1.53	1.53	1.54		
	514.	7.77	1.78	1.56	1.55	1.55	1.55	1 • 55		
	594	7.70	1.34	1.55	1.54	1.53	1.54	1.54		
	628•	7.70	1.50	1 • 5 4	1.54	1.53	1.54	1.54		
	660•	7.72	1.51	1.54	1.54	1.54	1 • 54	1.54		
	000.	7 4 1 12	1.001	1.004	. • • •	100-	1-5,	1.50		
										1
									•	

		• 609 25 A•H	• AG ZN		DEPTH PERCEN						MPERA' ERIOD		_	
CYC	LE P	ACK CUI	RENT			CE	LL VOL	TAGES						
NO.	VO	LTAGES	10.00	1	2	3	4	5	6	7	8	9	10	
	53•	14•48	10.02	1•46	1 • 46	1 • 4 4	1 • 45	1 • 46	1 • 45	1 • 45	1 • 45	1 • 43	1 • 4 4	END OF
	62.	14.65	9.99	1 • 47	1.47	1.47	1 • 47	1 • 48	1.46	1.46	1 • 45	1.45	1.45	DISCHARGE
	72•	14.42	10.02	1 • 45	1 • 45	1 • 45	1 • 45	1 • 45	1 • 44	1 • 44	1 • 44	1 • 43	1.43	
			1 • 00											
	53•	18.78	•00	1 • 89	1.89	1.87	1 • 88	1 • 88	1.87	1 • 87	1 • 87	1.87	1.86	END OF
	62.	18.77	•02	1 • 88	1.88	1 • 89	1.88	1 • 88	1.87	1.87	1.86	1.87	1.86	CHARGE
	72.	18.78	• 00	1 • 88	1.89	1.87	1 • 88	1 • 88	1.87	1.87	1 • 86	1.87	1.86	

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PACK NO. 257 YARDNEY 5 A.H.						CHARGE	- -	TEST TEMPERATURE 0 ORBIT PERIOD 24 HRS.		
CYCLE PA	CK CUR	RENT			CE	LL VOL	TAGES			
NO. VO	LTAGE	1.00	1	2	3	4	5			
138.	3 • 34	•97	• 77	•94	1.07	1 • 0 7	1 • 06		END OF	
147.	4 • 35	. • 99	.•00	1.06	1 + 13	1.07	1 • 1 4		DISCHARGE	
157∙	4•24	•99	•00	1.04	1.09	1.07	1 • 08			
		• 30								
138•	7.45	• O I	1 • 5 1	1.50	1.50	1.51	1 • 48		END OF	
147.	6.04	• 03	•00	1.50	1.52	1 • 58	1.50		CHARGE	
157•	5•99	• 0,0	•00	1.46	1 • 47	1 • 65	1•45			

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PACK NO. YARDNEY		ı				CHARGE RECHARG	-	TEST TEMPERATURE 25 C ORBIT PERIOD 24 HRS.	
CYCLE PA	CK CUR	RENT			CE	LL VOL	TAGES		
NO. VO	LTAGE	1.00		2	3	4	5 [,]		
95•	5.36	1.00	}	1.09	1.08	1.08	1 • 0 7		END OF
104.	5•35	1 • 00	1 • 0 7	1.08	1.08	1 • 08	1 • 08		DISCHARGE
114.	5•36	1 • 00	1 • 08	1.08	1 • 0 9	1 • 08	1.08		
		•30							
95•	7 • 59	• 00	1 • 54	1 • 55	1 • 47	1 • 55	1.53		END OF
104.	7.42	• 02	1 • 49	1 • 49	1 • 50	1 • 49	1.51		CHARGE
114 •	7 • 39	•02	1 • 48	1 • 49	1 • 48	1 • 48	1 • 52		

PACK NO. 233 YARDNEY 5 A.H.	DEPTH OF DISCHAPPERCENT OF RECHAP	THE TANK THE PROPERTY OF THE P	
CYCLE PACK CURRENT		VOLTAGES	
NO. VOLTAGE 1.00	1 2 3 4	5	
95. 5.66 1.00	1 • 14 1 • 13 1 • 14 1 • 1	15 1•15	END OF
104. 5.84 1.01	1 • 17 1 • 16 1 • 18 1 • 0	00 1•19	DISCHARGE
114. 5.37 .99	1.08 1.09 1.09 I.0	08 1.09	DISCHARGE
•30			•
95• 7•54 •00	1.52 1.53 1.51 1.5	52 1.51	END OF
104. 7.48 .05	1.51 1.51 1.51 1.5	50 1.51	CHARGE
114 7 39 03	1 • 49 1 • 51 1 • 48 1 • 4	48 1•48	J. 17.1.1.0C



	PACK NO. GULTON 5		• RS		DEPTH PERCEN				TEST TEMPERATURE -20 C ORBIT PERIOD 90 MIN.	
	CYCLE PA	כא כוום	DENT			CF	LL VOL	TAGES		
		TAGES		1	2	3	4	5		
	428•	5 • 78	2.77	1 • 17	1.18	1 • 16	1•16	1 • 17		END OF DISCHARGE
	459. 542.	5•67 5•67	2•79 2•80	1 • 1 4 1 • 1 4	1 • 1 5 1 • 1 5	i • 14 I • 14	1 • 1 4 1 • 1 4	1 • 1 4 1 • 1 4		DISCHARGE
	572•	5•78 5•76	2•77 2•81	1 • 16	1 • 1 7 1 • 1 6	1 • 17 1 • 17	1 • 16 1 • 16	1 • 17 1 • 16		
	696. 652.	5.71.	2.79	1 • 1 4	1.16	1.15	1 • 15	1 • 15		
	585∙ 716•	5 • 7 1 5 • 7 0	2•7° 2•80	1 • 1 4	1 • 1 6 1 • 1 5	1 • 15 1 • 15	1 • 15 1 • 15	1 • 15 1 • 15		
	766•	5.67	2.72	1 • 13	1.15	1•15 1•19	1 • 1 4 1 • 1 9	1•13 1•20		
	828• 859•,	5•93 5•64	2.78 2.79	1 • 1 9	1 • 15	1 • 1 4	1 • 1 4	1 • 13		
			1.61							
ζ.	428.	7.47	•89	1 • 5 1	1.52	1.50	1.50	1.50		END OF
\mathcal{N}_{\parallel}	459•	7•46	•96	1 • 50	1 • 5 1	1 • 49	1 • 50	1.50		CHARGE
/	542•	7.65	1.19	1 • 54	1.56	1.53	1 • 54	1 • 5 4		
	572.	7.62	• 86	1 • 53	1.54	1 • 54	1 • 53	1.53		
	606.	7 • 64	-85	1.53	1.55	1 • 54	1 • 54	1.53	·	
	652•	7.58	• 90	1 • 52	1 • 5 4	1.53	1.53	1.52		
	685•	7.59	•90	1.52	1.54	1.53	1 • 53	1.52		
	716.	7.59	•89	1.52	1.53	1.52	1.53	1.52		
	766•	7.54	-83	1.51	1.53	1.53	1.52	1.51		
	828• 859•	7•52 7•57	1.22	1 • 5 1 1 • 5 1	1.53 1.53	1•51 1•52	1.51 1.53	1•50 1•52		

PACK NO. 244	DEPTH OF DISCHARGE 25	TEST TEMPERATURE -20 C
GULTON 5.6 A.H. FRS	PERCENT OF RECHARGE 115	ORBIT PERIOD 90 MIN.

						^-		-16-6
		CK CUR					LL VOL	
NO	VOL	TAGES	2.80	1	2	3	4	5
	428•	5.80	2•69	1 • 17	1 • 18	1.16	1 • 17	1 • 17
	459.	5•78	2.76	1 - 17	1 • 17	1 • 16	1 • 16	1 • 16
	492.	5 • 65	2.81	1 • 1 4	1.15	1.13	1 • 14	1 • 14
	542.	5.77	2.76	1 • 16	1.17	1.16	1 • 16	1 • 16 .
	572.	5.79	2.75	1 • 16	1.17	1 • 17	1.16	1 • 17
	606.	5.79	2.76	1 • 16	1 • 17	1 • 17	1 • 17	1 + 17
	652.	5 • 77	2.75	1 • 16	1 • 17	1.16	1.16	1 • 17
	685.	5•79	2.75	1 + 1 5	1.17	1.16	1.16	1 • 17
	716.	5•78	2.76	1.16	1.17	1.16	1 • 16	1 • 17
	804.	-5.77	2.74	i • 16	1 • 17	1.16	1.16	1 • 17
	828•	5.93	2.77	1 • 19	1.20	1.19	1.19	1 • 20
	859•	5•74	2.77	1 + 15	1.16	1 • 15	1 • 15	1 • 16
			1.61					
	428•	7 • 68	•72	1 • 55	1.55	1 • 55	1 • 54	1 • 55
	459.	7 • 68	• 76	i •55	1.55	1.54	1 • 54	1.55
	492.	7.49	• 95	1 • 5 1	1.52	1.50	1.51	1.50
	542.	7.76	• 90	1.57	1.57	1.56	1.55	1.56
	572•	7.77	• 87	1 • 56	1.56	1.57	1.56	1 • 57
	606.	7.79	-88	1 • 57	i •56	1.58	1.56	1.57
	652.	7.72	• 84	1 • 55	1.55	1.56	1 • 55	1.56
	685.	7.73	-81	1.56	1.56	1.56	1 • 55	1.56
	716.	7.72	•86	1 • 56	1.56	1 • 55	1.55	1 • 56
	804.	7.70	• 77	1 • 55	1.55	1.56	i •55	1 • 55
	828.	7.68	1 • 30	1 • 55	1.55	1 • 54	1 • 54	1 • 55

859. 7.74 .81 1.56 1.56 1.56 1.55 1.56

END OF DISCHARGE

END OF CHARGE

740. 5.87. 2.76 1.19 1.19 1.17 1.18 1.18 768. 5.85 2.81 1.19 1.18 1.17 1.17 1.18 818. 5.87 2.77 1.18 1.18 1.17 1.17 1.17 848. 5.86 2.78 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.17 1.16 1.16 1.17 11080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.54 1.50 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.66 .98 1.53 1.53 1.53 1.52 992. 7.66 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.55 1.53 1.55 1080. 7.72 1.14 1.55 1.54 1.55 1.53 1.55 1090. 7.72 1.14 1.55 1.54 1.55 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.55 1.55 1.53		< NO. TON 5	200 •6 A•H	• FRS				CHARGE ECHARG		TEST TEMPERATURE O C ORBIT PERIOD 90 MIN.	
704. 5.87 2.77 1.19 1.19 1.18 1.18 1.18 740. 5.87 2.76 1.19 1.19 1.17 1.18 1.18 768. 5.85 2.81 1.19 1.18 1.17 1.17 1.18 818. 5.85 2.77 1.18 1.18 1.17 1.17 1.17 848. 5.86 2.78 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.17 1.16 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.16 1104. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.18 1.17 1.16 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.18 1.17 1.16 1.16 1.17 1105. 5.83 2.79 1.18 1.18 1.18 1.17 1.17 Chapter of the state o	CYC										
740. 5.87. 2.76 1.19 1.19 1.17 1.18 1.18 768. 5.85 2.81 1.19 1.18 1.17 1.17 1.18 818. 5.87 2.77 1.18 1.18 1.17 1.17 1.17 848. 5.86 2.78 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.17 1.16 1.16 1.17 11080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.54 1.50 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.66 .98 1.53 1.53 1.53 1.52 992. 7.66 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.55 1.53 1.55 1080. 7.72 1.14 1.55 1.54 1.55 1.53 1.55 1090. 7.72 1.14 1.55 1.54 1.55 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.55 1.55 1.53	NO•	VOL	TAGES	2.80	1	2	3	4	5		
740. 5.87 2.76 1.19 1.19 1.17 1.18 1.18 768. 5.85 2.81 1.19 1.18 1.17 1.17 1.18 818. 5.87 2.77 1.18 1.18 1.17 1.17 1.17 848. 5.86 2.78 1.18 1.11 1.17 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.77 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.16 1.16 1.17 117 1.61 704. 7.64 .91 1.54 1.55 1.52 1.53 1.52 818. 7.64 .95 1.53 1.53 1.54 1.55 1.52 1.53 1.52 818. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.53 1.55 1.52 992. 7.65 1.04 1.53 1.53 1.53 1.55 1.52 992. 7.65 1.02 1.53 1.53 1.53 1.52 1.53 1.54 1.55 1.55 1.55 1.55 1.080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55 1.080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55 1.080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55 1.080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55		704•	5.87	2.77	1 • 19	1.19	1 • 18	1 • 18	1 • 18		END OF
818. 5.87 2.77 1.18 1.18 1.17 1.17 1.17 848. 5.86 2.78 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.54 1.50 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.53 1.51 1.52 962. 7.66 .98 1.53 1.53 1.53 1.52 962. 7.66 .98 1.53 1.53 1.53 1.52 1080. 7.72 1.14 1.55 1.54 1.55 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.55 1.55							1 • 17	1 • 18	1 • 18		DISCHARGE
848. 5.86 2.78 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 818. 7.64 .95 1.53 1.54 1.50 1.53 1.52 818. 7.63 .94 1.53 1.54 1.50 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 992. 7.66 .98 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.55 1.53 1.55 1080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55 1104. 7.73 1.20 1.54 1.55 1.55 1.55		768•	5 • 85	2.81	1 • 19	1.18	1 • 17	1 • 17	1 • 18		
848. 5.86 2.78 1.18 1.17 1.16 1.17 1.17 882. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1108. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.16 1.16 1.17 1136. 7.64 .91 1.54 1.55 1.52 1.54 1.52 768. 7.61 .89 1.53 1.54 1.52 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 992. 7.66 .98 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.54 1.55 1.55 1080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55 1104. 7.73 1.20 1.54 1.55 1.55 1.55	1	818.	5.87	2.77	1 • 18	1.18	1 • 17	1 • 17	1 • 17		
929. 5.82 2.82 1.17 1.16 1.16 1.16 1.16 1.16 92. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 92. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1.16 1.17 1.080. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1.080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.18 1.17 1.17			5.86	2.78	1 • 18	1.17	1 • 16	1 • 17	1 • 17		
962. 5.84 2.81 1.18 1.17 1.16 1.16 1.16 992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1136. 7.64 91 1.54 1.55 1.52 1.54 1.52 740. 7.60 .84 1.53 1.54 1.52 1.53 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.66 .98 1.53 1.53 1.52 1.53 1.52 920. 7.66 .98 1.53 1.53 1.52 1.53 1.52 922. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.55 1.55 1.55 1104. 7.73 1.20 1.54 1.55 1.55 1.55	•	882.	5 • 84	2.80	1 • 18	1 • 17	1 • 16	1 • 16	1 • 17		
992. 5.83 2.81 1.17 1.17 1.16 1.16 1.16 1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 768. 7.61 .89 1.53 1.54 1.52 1.53 1.52 818. 7.64 .95 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.66 .98 1.53 1.53 1.51 1.53 1.52 992. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.66 .98 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.55 1.55	•	929•	5 • 82	2.82	1 • 17	1.16	1 • 16	1 • 16	1 • 16		
1042. 5.84 2.83 1.18 1.17 1.16 1.16 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.10 1.17 1.17	•	962.	5 • 84	2.81	1 • 18	1.17	1 • 16	1 • 16	1 • 16	,	
1080. 5.85 2.77 1.18 1.17 1.16 1.16 1.17 1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 740. 7.60 .84 1.53 1.54 1.52 1.53 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.66 .98 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53	•	992•	5•83	2.81	1 • 17	1 • 17	1 • 16	1 • 16	1•16		
1104. 5.84 2.80 1.18 1.17 1.16 1.16 1.17 1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 740. 7.60 .84 1.53 1.54 1.52 1.53 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.55 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.55 1.55	1	042.	5•84	2.83	1 • 18	1 • 17	1 • 16	1 • 16			
1136. 5.83 2.79 1.18 1.18 1.17 1.17 1.17 1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 740. 7.60 .84 1.53 1.54 1.52 1.53 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.51 1.53 1.52 929. 7.66 .98 1.53 1.53 1.52 1.53 1.52 922. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.55 1.53 1.55 1.53 1040. 7.73 1.20 1.54 1.55 1.53 1.55 1.53	1	080.	5•85	2.77	1 • 18	1.17	1.16	1 • 16	1 • 17		
1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 740. 7.60 .84 1.53 1.54 1.52 1.53 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53	1	104.	5•84	2.80	1 • 18	1.17	1 • 16	1 • 16	1 • 17		
1.61 704. 7.64 .91 1.54 1.55 1.52 1.54 1.52 740. 7.60 .84 1.53 1.54 1.52 1.53 1.52 768. 7.61 .89 1.53 1.54 1.50 1.53 1.52 818. 7.64 .95 1.53 1.53 1.52 1.53 1.52 848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.55 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55	1	136.	5 • 83	2.79	1 • 18	1 • 18	1 • 17	1 • 17	1 • 17		
704. 7.64											
740. 7.60											5.15 OF
768 7 61 89 1 53 1 54 1 50 1 53 1 52 818 7 64 95 1 53 1 53 1 52 1 53 1 52 848 7 63 94 1 53 1 53 1 51 1 53 1 52 882 7 63 94 1 53 1 53 1 51 1 53 1 52 882 7 65 1 94 1 53 1 53 1 51 1 53 1 52 1 53 1 52 929 7 66 98 1 53 1 53 1 52 1 53 1 52 992 7 65 1 02 1 53 1 53 1 52 1 53 1 52 1 53 1 52 1 53 1 52 1 53 1 52 1 53 1 52 1 53 1 52 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 54 1 53 1 55 1 53 1 54 1 53 1 55 1 53 1 55 1 53 1 54 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55 1	•	704•	7 • 64	•91	1 • 54						END OF
818		740•	7 • 60	•84	1.53						CHARGE
848. 7.63 .94 1.53 1.53 1.51 1.53 1.52 882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.54 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53		768•	7.61	•89	1 • 53	1 • 54		1 • 53			
882. 7.63 .94 1.53 1.53 1.51 1.53 1.52 929. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.54 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53		818.	7.64	• 95	1 • 53	1 • 53					
929. 7.67 1.04 1.53 1.53 1.52 1.53 1.52 962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.54 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53		848•	7.63	•94	1•53						
962. 7.66 .98 1.53 1.53 1.52 1.53 1.52 992. 7.65 1.02 1.53 1.53 1.52 1.53 1.52 1042. 7.70 1.08 1.54 1.54 1.53 1.54 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53		882.	7.63	•94	1 • 53						
992 • 7 • 65 1 • 02 1 • 53 1 • 53 1 • 52 1 • 53 1 • 52 1042 • 7 • 70 1 • 08 1 • 54 1 • 54 1 • 53 1 • 54 1 • 53 1080 • 7 • 72 1 • 14 1 • 55 1 • 54 1 • 53 1 • 55 1 • 53 1104 • 7 • 73 1 • 20 1 • 54 1 • 55 1 • 53 1 • 55 1 • 53		929•	7.67	1.04	1 • 53						
1042. 7.70 1.08 1.54 1.54 1.53 1.54 1.53 1080. 7.72 1.14 1.55 1.54 1.53 1.55 1.53 1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53		962•	7.66	• 98							
1080 • 7 • 72 1 • 14 1 • 55 1 • 54 1 • 53 1 • 55 1 • 53 1104 • 7 • 73 1 • 20 1 • 54 1 • 55 1 • 53 1 • 55 1 • 53											
1104. 7.73 1.20 1.54 1.55 1.53 1.55 1.53											
			_								
1196 7 79 1 90 1 GC 1 GC 1 GC 1 GC 1 GC											
1130 (014 1020 1030 1030 1034 1034 1034	1	136•	7.72	1.20	1 • 55	1.56	1 • 54	1 • 55	1.54		

PACK NO. 390 DEPTH OF DISCHARGE 25 TEST TEMPERATURE ORBIT PERIOD 90 MIN. PERCENT OF RECHARGE 115 GULTON 5.6 A.H. RS CYCLE PACK CURRENT CELL VOLTAGES NO. VOLTAGES 2 3 4 5 2.80 1 END OF 720. 5.86 2.80 1 • 19 1 • 17 1.18 1.17 1 • 17 DISCHARGE 755. 5.83 2.81 1 • 18 1.17 1.17 1.17 1.16 784 • 5.83 2.80 1 • 18 1.17 1.17 1 • 17 1 • 16 834 • 5.83 2.80 1 • 18 1.17 1.17 1.17 1 • 16 858. 5.82 2.83 1 • 17 1.16 1 • 16 1.17 1.16 898. 5.82 2.81 1 • 18 1.16 1.16 1 • 17 1.16 944. 5.82 2.80 1 • 18 1.16 1 - 16 1.17 1.16 978. 5.82 2.79 1 • 17 1.16 1.16 1.16 1 • 16 5.82 2.80 1008. 1 • 18 1.16 1.16 1 • 17 1 • 16 1058. 5.85 2.79 1 • 18 1.17 1 • 17 1 • 17 1.17 1122. 5.84 2.82 1 • 18 1.16 1 • 16 1 • 17 1 • 16 5.83 2.82 1 • 18 1 • 17 1 • 17 1154 • 1 • 16 1.16 1 . 61 1 • 53 END OF 720. 7.64 • 69 1.52 1 • 53 1.52 1.52 755. 7.62 CHARGE . 75 1 • 54 1.52 1.53 1.52 1.52 784 • 7.63 .71 1.53 1.52 1.53 1.52 1.52 834 • 7.62 • 74 1 • 53 1.52 1 • 53 1.52 1.52 858. 7.64 .77 1.53 1.52 1.52 1.52 1.52 1.51 898. 7.63 • 77 1 • 53 1.52 1.52 1.52 944. 7.66 84 1.54 1.53 1.52 1 • 52 1.52 978. 7.65 1.52 .80 1 . 54 1.52 1.52 1.52 1008. 7.78 1.07 1 + 56 1.55 1.55 1.54 1.55

1.55

1 • 54

1.54

1.56

1.56

1.56

1058 •

1122.

7.81

7.81

7.80

1.08

1 • 00

.99

1.57

1.56

1.56 1.56

1.56

1.56

1 • 56

1.56

1 • 56

		0• 276 5•6 A•1	⊣• FRS				CHARGE RECHARG		TEST TEMPERATURE 25 C ORBIT PERIOD 90 MIN.	
С	YCLE I	PACK CUI	RRENT			CE	LL VOL	TAGES		
		OLTAGES		1	2	3	4	5		
	868	• 5•51	2.74	1.09	1.10	1.13	1.12	1 • 1 1		END OF
	897	5 • 44	2.75	1.08	1.08	1.12	1 • 10	1.09		DISCHARGE
	947	5 • 48	2.76	1 • 0 9	1.09	1 • 13	1 • 1 1	1 + 10		
	971	5 • 36	2.79	1.06	1.06	1.12	1.08	1.08		
	1011	5.37	2.77	1.06	1.06	1.13	1.08	1.08		
	1057	5.34	2.78	1.06	1.06	1.12	1.08	1.07		
	1121	5.30	2.78	.1 • 0 4	1.05	1.12	1.07	1.06		
	1171	5 • 28	2.78	1 • 0 4	1.05	1 • 10	1.06	1 • 06		
	1235	5.37	2.76	1 • 0 6	1.07	1 • 10	1 • 10	1.08		
	1267	5.29	. 2.77	1 • 0 4	1.05	1.08	1.08	1.07		
158			1 • 75							
9	868	· 7.30	1.76	1 • 47	1.48	1 • 47	1 • 46	1.46		END OF
00	897		1.76	1 • 47	1.48	1.46	1 • 46	1.46		CHARGE
	947		1.76	1 • 47	1 • 48	1 • 47	1 • 47	1 • 47		
	971		1 + 77	1 • 46	1 • 47	1 • 46	1 • 46	1.46		
	1011	7.28	1.77	1 • 46	1.47	1.47	1 • 46	1 • 47		
	1057		1.77	1 • 46	1 • 47	1 • 47	1 • 46	1 • 46		
	1121		1.76	1 • 46	1.47	1 • 48	1 • 46	1 • 47		
	1171		1.76	1 • 46	1.48	1.47	1 • 46	1 • 47		
	1235		1.76	1 • 46	1.48	1.47	1 • 46	1 • 46		

1267. 7.28 1.76 1.46 1.48 1.46 1.46 1.46

PACK NO.	306		- 1	DEPTH (OF DIS	CHARGE	25	TEST TEMPERATURE 25 C	
GULTON 5		• RS		PERCEN'	T OF RE	ECHARG	E 125	ORBIT PERIOD 90 MIN.	
GOLTON 3									
CYCLE PA	CK CUR	RENT			CEI	Tr Aor.	TAGES		
		2.80	1	2	3	4	5		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,								END 0E
831•	5.83	2.64	1 • 18	1.20	1.16	1 • 17	1 • 16		END OF Discharge
857•	5.69	2.63	1 • 16	1 • 17	1 • 13	1 • 1 4	1 • 13		DISCHARGE
943•	5.63	2.66	1 • 14	1.15	1 • 13	1 • 13	1 • 1 1		
969•	5.62	2.67	1 • 14	1 • 1 4	1 • 12	1.12	1 • 1 1		
1007•	5.53	2.68	1 • 1 1	1.13	1 • 12	1 • 1 1	1 • 1 1		
1055	5.52	2.69	1 • 12	1.13	1 • 1 1	1 • 1.1	1 • 09		
1087•	5.76	2.65	1 • 14	1 • 17	1 • 17	1.16	1 • 15		
1119.	5.54	2.62	1 • 10	1 • 14	1.13	1 • 1 1	1 • 10		
1167•	5.47	2.60	1 • 08	1 • 14	1 • 1 1	1 • 10	1.08		
1204 •	5 • 49	2.68	1 * 1 1	1.13	1.12	1 • 10	1.08		
1233.	5.51	2.61	1 • 09	1.13	1 • 12	1 • 1 1	1 • 09		
1265•	5.51	2.62	1.08	1.14	1.13	1 • 1 1	1 • 10		
_	-								
4		1.75							E. 15 OF
831.	7.21	1.34	1 • 46	1 • 45	1 • 4 4	1 • 45	1 45		END OF
857 •	7.19	1.24	1 • 46	1 • 45	1 • 43	1 • 45	1 • 45		CHARGE
943.	7.23	1.20	1 • 46	1.44	1 • 44	1 • 45	1 • 45		
969•	7.21	1.22	1 • 46	1 • 4 4	1 • 44	1 • 45	1 • 44		
1007•	7.19	1.29	1 • 45	1.44	1 • 45	1 • 44	1 • 46		
1055•	7.22	1.32	1 • 46	1 . 44	1 • 45	1 • 45	1 • 46		
1087•	7.18	1.26	1 • 45	1.44	1 • 45	1 • 45	1•45		
1119.	7 • 18	1.33	1 • 45	1 • 44	1 • 45	1 • 45	1 • 45		
1167.	7.21	1 • 48	1 • 45	1 • 45	1 • 45	1 • 45	1 • 45		
1204	7.22	1.25	1 • 46	1 • 45	1 • 46	1•45	1 • 45		
1233.	7.19	1.26	1 • 45	1.44	1.45	1 • 45	1 • 45		
1265•	7.19	1.28	1 • 45	1 • 4 4	1 • 4 4	1 • 4 4	1 • 45		
1200•	, • 1 9								

	ACK NO.		· RS				CHARGE ECHARG		TEST TEMPERATURE 40 C ORBIT PERIOD 90 MIN.	
С	YCLE PA	CK CUR	RENT			CE	LL VOL	TAGES		
		TAGES	2.80	1	2	3	4	5		
	939•	5 • 28	2.68	1.03	1.09	1 • 05	1 • 07	1 • 09		END OF
	965•	4.49	2.62	• 90	•93	•89	•89	• 92		DISCHARGE
	1003.	4.38	2.61	• 90	•94	•90	•82	• 86		
	1051.	4 • 68	2.68	•93	•97	•93	• 95	• 93		
	1077.	4 • 69	2.64	• 92	•96	•93	•96	• 95		
	1115.	4.85	2.68	• 96	1.00	•97	• 98	1.00	•	
	1163.	4.10	2.52	• 85	•89	• 8 4	•77	• 78		•
	1195•	5.31	2.72	1 • 0 4	1 + 10	1.05	1.08	1 • 09		
			2.24							
	939•	7.18	1.58	1 • 47	1 • 4 4	1 • 4 4	1 • 43	1 • 44		END OF
	965•	7.16	1.16	1 • 46	1.45	1 • 4 4	1 • 44	1 • 43		CHARGE
1	1003.	7.14	1.07	1 • 45	1 • 44	1 • 43	1 • 43	1 • 43		
7.	1051.	7.20	1.25	1 • 47	1 • 45	1 • 46	1 • 44	1 • 43		
	1077.	7 • 15	1.06	1 • 45	1 • 4 4	1 • 45	1 • 43	1 • 43		
	1115.	7 • 16	1.09	1 • 45	1 • 44	1 • 45	1 • 43	1 • 4 4		
	1163.	7.17	1 • 14	1 • 46	1 • 4 4	1.46	1 • 43	1 • 43		
	1195.	7.21	1.27	1 • 46	1 • 45	1 • 47	1 • 44	1 • 44		

GULTON 5	i•6 A•H	• FRS	i	PERCEN	TOFR	ECHARG	E 160	ORBIT PERIOD 90 MIN.	
CYCLE PA	CK CUR	RENT				LL VOL	TAGES		
	TAGES	2.80	1	2	3	4	5		
				•					
941•	5.05	2.76	1.03	1.01	1.02	•99	1.03		END
978•	5 • 15	2.75	1.05	1.03	1 • 06	i •02	1 • 0 4		DISC
1005.	5.19	2.77	1 • 05	1.04	1.07	1.02	1 • 05		
1056.	5 • 15	2.75	1.05	1.03	1 • 06	1.02	1 • 04		·
1085.	5 • 17	2.74	1 • 04	1.03	1.07	1.02	1 • 05		
1120.	5.09	2.77	1.03	1.01	1.05	1 • 0 0	1 • 04		
1165•	5.21	2.72	1 • 05	1.03	1.08	1.03	1 • 06		
1200.	5.12	2.76	1 • 04	1.01	1.06	1 • 00	1 • 04		
1229 •	5.15	2.74	1 • 04	1.02	1.07	1.02	1.05		
1280.	5 • 11	2.75	1 • 03	1.02	1.05	1 • 02	1 • 04		
1309.	5.21	2.71	1 • 05	1.04	1.08	1.03	1 • 06		
1342.	5.07	2.76	1.02	1.00	1.05	1.00	1 • 03		
1374•	5 • 1 1	2.76	1.03	1.02	1 • 05	1 • 0 1	1 • 04		
2/									
<u> </u>		2.24							END
941•	7.25	2.20	1 • 46	1 • 47	1 • 4 4	1 • 47	1 • 45		CHAR
978•	7 • 25	2.22	1 • 47	1 • 47	1 • 45	1 • 46	1 • 45		CHAI
1005•	7.25	2.22	1 • 47.	1 • 47	1 • 44	1 • 46	1 • 45		
1056•	7•26	2.24	1 • 47	1 • 47	1 • 45	1 • 47	1 • 45		
1085.	7 • 25	2.23	1 • 46	1.46	1 • 46	1 • 46	1 • 45		
1120.	7.25	2 • 26	1 • 46	1 • 46	1 • 46	1.47	1 • 46		
1165•	7.25	2.17	1 • 46	1 • 46	1 • 46	1 • 46	1 • 45		
1200.	7.25	2.24	1 • 46	1 • 46	1 • 46	1.46	1.46		
1229•	7.25	2.24	1 • 46	1 • 46	1 • 46	1.46	1 • 46		
1280•	7.26	2.27	1 • 46	1 • 47	1 • 46	1 • 47	1 • 45		
1309•	7•25	2.22	1 • 46	1.46	1 • 46	1.46	1 • 45		
1342•	7.26	2.22	1 • 46	1 • 46	1 • 46	1 • 47	1 • 45		
1374•	7 • 26	2.23	1•46	1 • 47	1 • 46	1 • 47	1 • 45		

PACK NO. 239

DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C

GUE COUL 3.6 A.H.

PERCENT OF RECHARGE ORBIT PERIOD 90 MIN.

	CYCLE PA	ACK CUF	RRENT			CE	LL VOL	TAGES						
		DLTAGE		1	2,	3	4	5	1	2	3	4	5	
,	1296•	10.83	2.82	1 • 1 1	1.06	1.08	1 • 10	1.08	1 • 1 1	1 • 08	1 • 06	1.08	1.09	END OF
		10.18		1 • 0 1	•97	• 99	1.09	1.00	1.10	1.07	1.00	•98	1.00	DISCHARGE
		9.79		• 94	.89	• 95	1.08	• 95	1.09	1 • 03	•96	•96	•96	
		11.18		1 • 1 4	1 • 1 0	1 • 1 1	1.13	1.13	1.14	1 • 1 1	1 • 1 1	1.08	1 • 1 1	
	1472•	9.68		• 94	87	•93	1.08	• 92	1.08	1.01	•98	•94	•94	
	1507.	9.88		• 96	•96	•96	1.08	• 96	1.09	1.00	•96	•95	•96	
		10.13		• 99	•97	•99	1.09	1 • 01	1.09	1 • 00	•99	•99	1.01	
	1587.	9•63		• 92	•战7	•93	1.08	• 94	1.08	• 97	•96	•94	•96	
	1616.	8.78	2.76	• 75	•68	•80	1.06	•83	1.07	• 95	•92	•86	•87	
		10.64		1 • 08	1.02	1.06	1.08	1.07	1.09	1 • 05	1 • 06	1.06	1.07	
		10.20		1.02	•97	•98	1.08	1 • 0 1	1.08	1 • 04	1 • 03	•99	1.00	
\			3.60											
/	1296	14.35	•53	1 • 43	1 • 4 4	1 • 42	1 • 48	1.42	1.47	1 • 43	1.42	1.42	1 • 4 1	END OF
1		14.33		1 • 43	1 • 4 4	1.42	1.48				1.42			CHARGE
		14.28		1 • 42	1.43	1 • 4 1	1 • 4 7	1 • 42	1.46	1.42	1 • 4 1	1.41	1.41	
		14.30	.26	1 • 42	1.43	1.42	1 • 48				1.42			
		14.09		1 • 4 1	1 • 4 1	1 • 4 1	1 • 44	1 • 40	1.42	1 • 4 1	1 • 39	1.39	1.39	
		14.25	. 29	1 • 42	1.42	1.42	1.46				1 • 4 1			
		14.25		1 • 4 1	1.43	1.42	1 • 46	1 • 42	1 • 4 4	1 • 4 1	1 • 4 1	1 • 41	1 • 40	
		14.22		1 • 4 4	1.42	1.43	1 • 45	1 • 42	1.43	1 • 4 1	1 • 40	1 • 4 1	1 • 40	•
		14.23		1 • 42	1.43	1 • 42	1 • 45	1 • 42	1 • 4 4	1 • 42	1 • 4 1	1 • 41	1 • 4 1	
		14.21	•19	1 • 42	1.43	1.43	1 • 45				1 • 4 1			
		14.32		1 • 42	1.44	1.43	1 • 47				1 • 4 1			
		14 • 28	•33	1 • 42	1.43	1 • 42	1 • 46				1 • 4 1			

COULOMET SONOTORE	_
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TECT TEMPERATURE 200 C

BONOTOH	. A.						PERATURE	
CYCLE	PACK			<u> </u>	CELI	VOLJEAG	ES	* ***
NO.	VOLTAGE	CUESENT	CLM	11	် ပ	3	1.	
7100	5.36	3.00	-0.170	1.11	1.08	1.12	1.10	1.09
7140	5.43	"	-0.125	1.12	1.10	1.13	1.12	1.11
7180	5.39	"	-0.152	1.12	1.09	1.13	1.12	1.11
7200	5.38	//	-0.150	1.12	1.09	1.13	1.12	1.10
1240	5.35	"	-0.182	1.11	1.08	1.12	1.11	1.09
7280	5.37	"	-0.161	1.12.	1.09	1.13	1.12	1.10
7320	5.24	"	-0.188	1.07	1.06	1.09	1.09	1.07
7360	5.34	//	-0.148	1.10	1.09	1.13	1.11	1.10
7400	5.46	11	-0.138	1.10	1.09	1.13	1.12	1.10
7440	5.30	"	-0.137	1.07	1.08	1.12	1.11	1.09
7480	5.36	//	-0./35	1.10	1.09	1.12	1.11	1.10
7520	5.36	//	-0.138	1.11	1.09	1.13	1.11	1.10
			,			· .		
				·	<u> </u>			
			1					

END OF DISCHARGE

TIME TO START OF TRICKLE CHARGE

7100	8.00	0.30	+0.900	1.42	1.43	1.42	1.42	1.42	28:53
7140	11	11	+0.908	1.42	1.42	1.41	1.41	1.42	28:00
7180	"	,,,	+0.891	1.42	1.43	1.42	1.42	1.43	28:27
7200	//	**	+0. 895	1.42	1.43	1.42	1.42	1.43	28:07
7240	1	u	+0.878	1.4%	1.43	1.42	1.42	1.42	28:36
7280	"	,,	10. 880	1.42	1.43	1.42	1.48	143	28:22
7320	"	*	+0.903	1.4%	1.43	1.42	1.42	1.42	28:36
7360	"	"	+0.893	1.48	1.43	1.42	1.42	1.42	28:37
7400	"	//	+0. 899	1.42	1.43	1.48	1.42	1.4%	Z8:46
7440	// ,	"	+0.873	1.43	1.43	1.42	1.42	1.43	28:30
7480	11	"	10.888	1.48	1.43	1.48	1.42	1.43	18.35
7520	//	^	+0.894	1.42	1.43	1.4%	1.42	1.42	28:15
				 		<u> </u>	 		
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END OF CHARGE

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1960	TOXELE						Cont. Co	CONTRACT OF STREET	A man	John /			1	
-	NO.	VOZ	CURRENT			30	1 4	TYPE	I Bank		R	1 9	18	
	2380	11.90	2.88	1.18	1.16	1.12	1.23	1.22	1.22		21	1.22	1.13	
1833	2441	10.75 .	" A	1.17	-	1.13	1.22	1.22	1.22			1.21	1.14	
	2480	10.43		1.15		1.05	1.21	1.20	1.20	1		1.20	1.04	END OF
	2521	9.76	11	1.12	-/	0.88	1.15	1.16	1.15	1.10	E	1.11	0.89	DISCHARGE
	2560	10.69	/ //	1.19	4	1.09	1.23	1.22	1.22	1.22	13	122	1.10	11 7
	2600	10.40	"	1.15	-	1.04	1.21	1.20	1.20	1.19	1		1.05	
1	2641	9.91	"	1.13		0.88	1.17	1.16	1.17	1.16			091	
	2701	9.98	"	1.13		0.90	1.17	1.17	1.17	1.17	1.0	d	0.12	
	2740	10.57	"	1.18		1.05	1.23	1.22	1.22	1.22	1.18	1.2	260	
No.	2780	10.33	11	1.16		1.00	1.21	1.20	120	1.20	1.14	1.20	1.01	
No.	2800	10.54	"	1.17	-	1.04	1.23	1.22	122	1.22	1.18	1.22	1.05	
		A.						1			1110	1.46	1,00	
BAS													. / 4	
	J. F.							1						
0							MONEY CO							
N							P. A.							
12-1							No 7							
Harris View	2380	15.69	2.16	1.60	1.59	1.58	1.52	1.55	1.54	1.52	1.58	1.60	1.62	
	2441	14.85	\"	1.69		1.59	1.64	1.65	1.66	1.66	1.63	1.65	1.63	
	2480	13.35	"	1.50	-	1.55	1.45	1.46	1.46	1.46	1.47	1.46	1.55	END OF
	2521	13.27	"	1.48		1.53	1.44	1.45	1.45	1.45	1.47	1.45	1.54	CHARGE
	2560	14.10	.11	1.60		1.57	1.52	1.55	1.54	1.53	7.59	1.60	1.62	
	2600	13.40	"	1.49		1.55	1.45	1.46	1.46	1.46	1.48	1.46	1.56	
	2641	13.29	//	1.48		1.53	1.44	1.45	1.45	1.45	1.48	1.45	1.55	
***************************************	2701	13.34	."	1.49		1:54	1.45	1.45	1.45	1.45	1.49	1.46	1.56	
Part !	2740	14.02	"	1.60	-	1.57	1.51	1.53	1.52	1.52	1.56	1.57	1.62	
	2780	13.43	"	1.49		1.56	1.45	1.46	1.46	1.46	1.50	1.48	1.59	
93	2800	13.83	"	1.58	\-	1.57	1.49	1.51	1.50	1.50	1.54	1.54	1.61	
									1	7.50		7.57	1.01	
3														
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